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December 2016
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Appendices A-J

Stand-Alone Data Document 2016

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Former J.H. Baxter & Co. Wood Treating Facility
Arlington, Washington

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December 2016

Prepared by



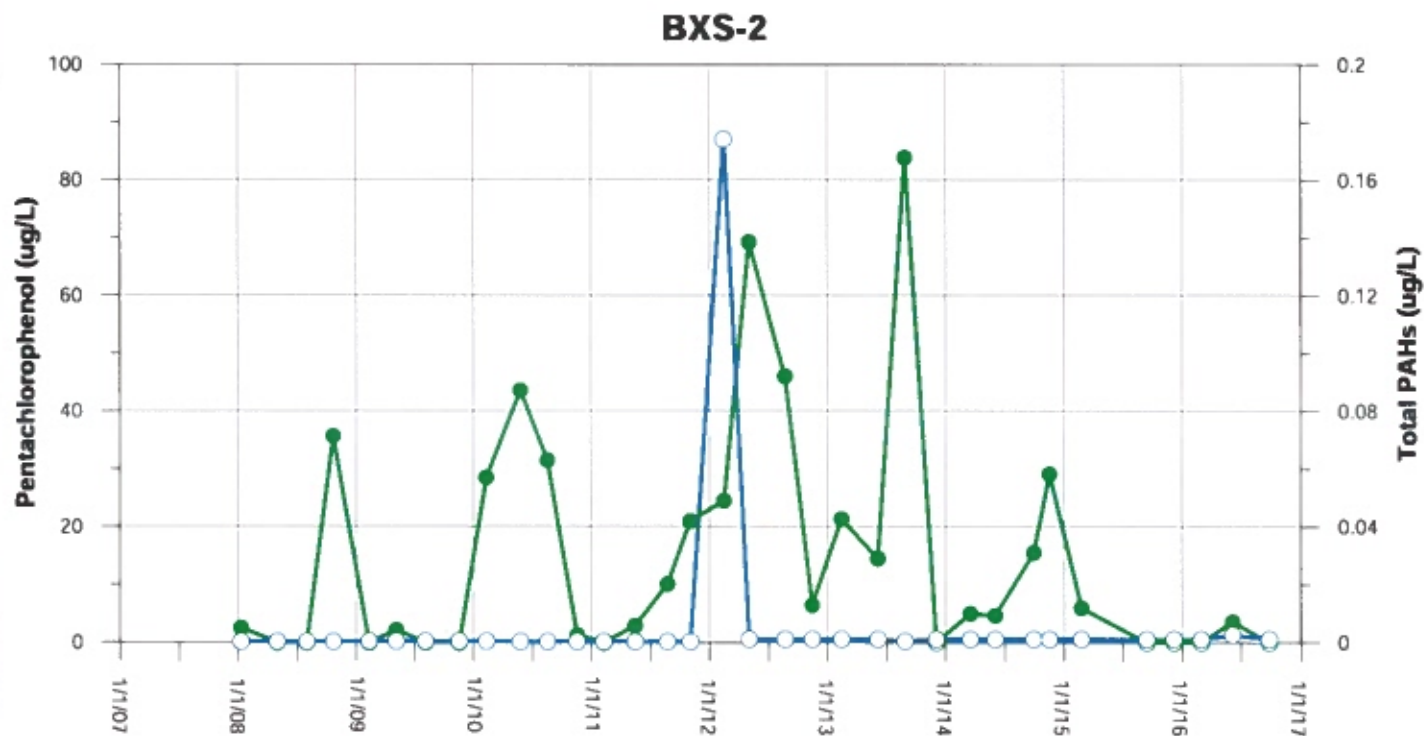
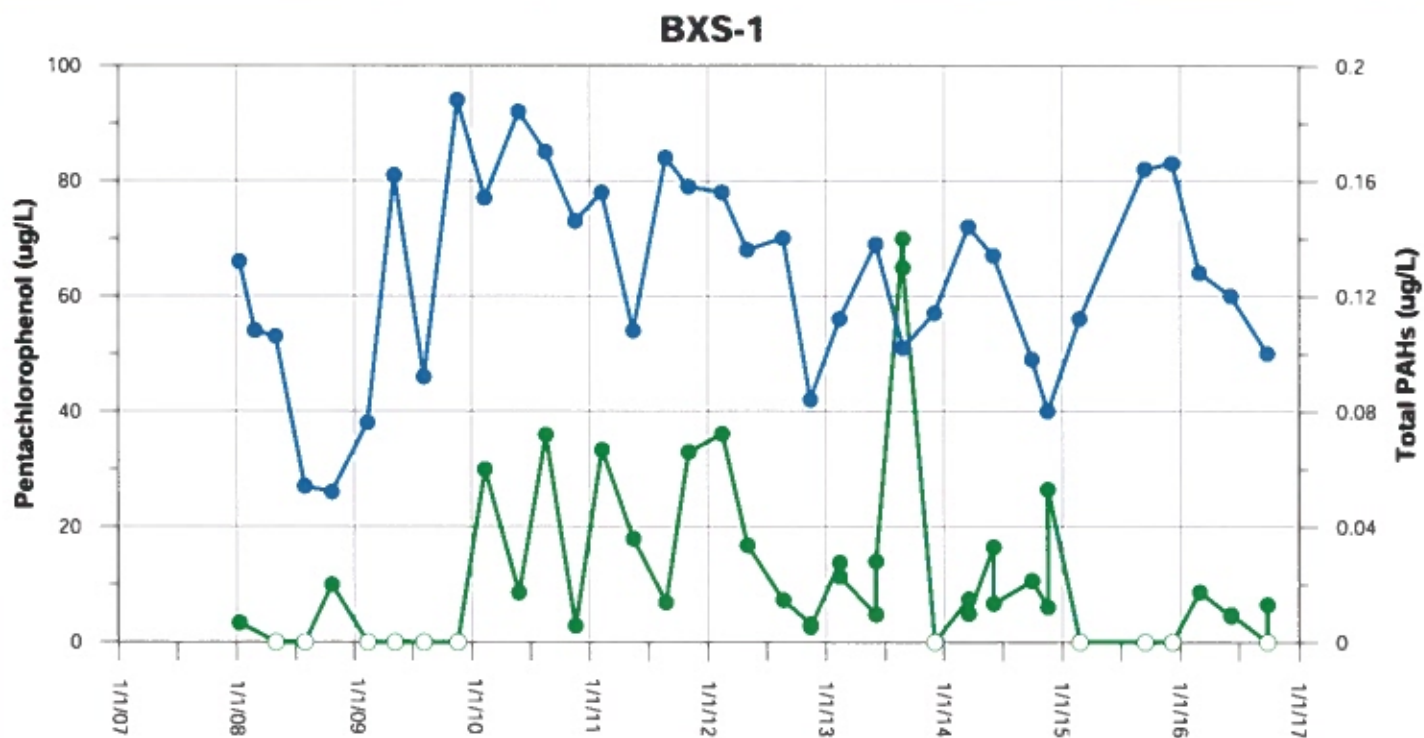
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Appendix A

Time Series Plots: Pentachlorophenol and Total PAHs in Groundwater



Legend:

- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values
- Total PAHs Detected Values
- Total PAHs Non-Detected Values

Notes:

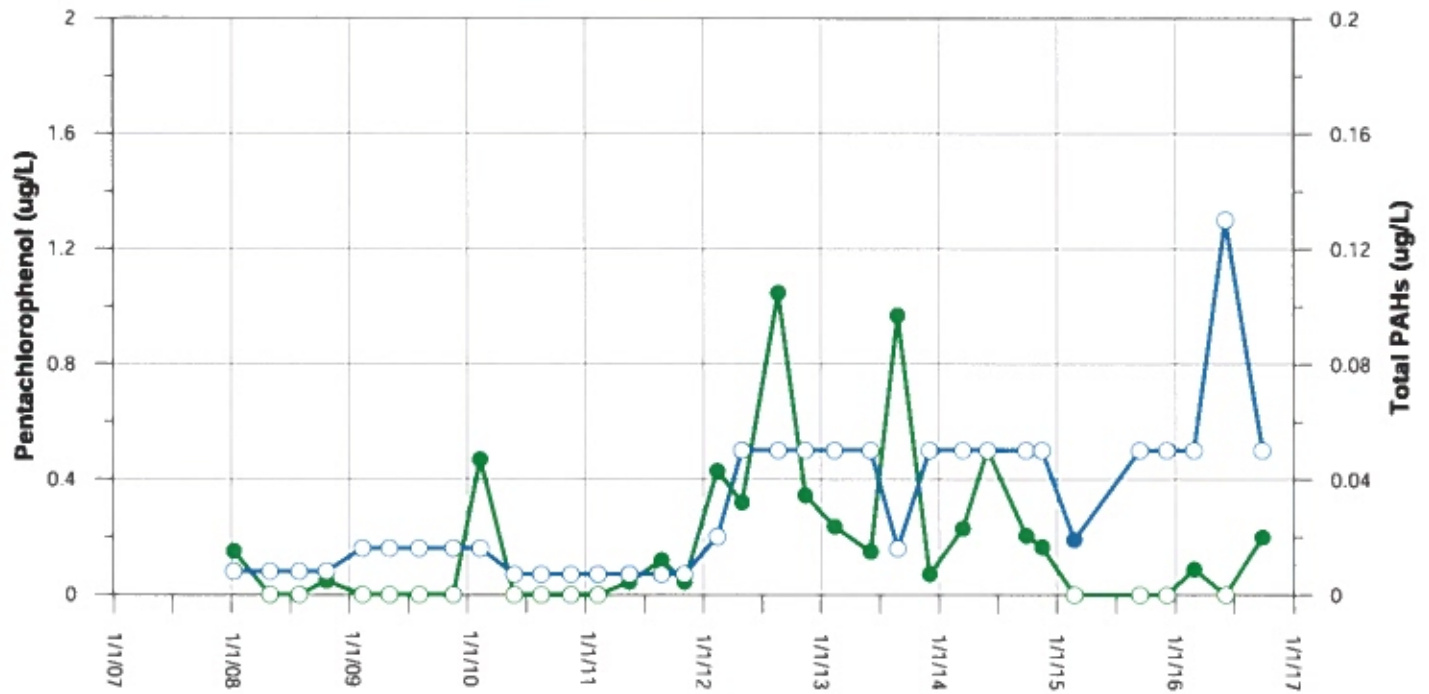
ug/L = microgram per liter

Total polycyclic aromatic hydrocarbons (PAHs) equals the sum of detected analytes (ND = 0).

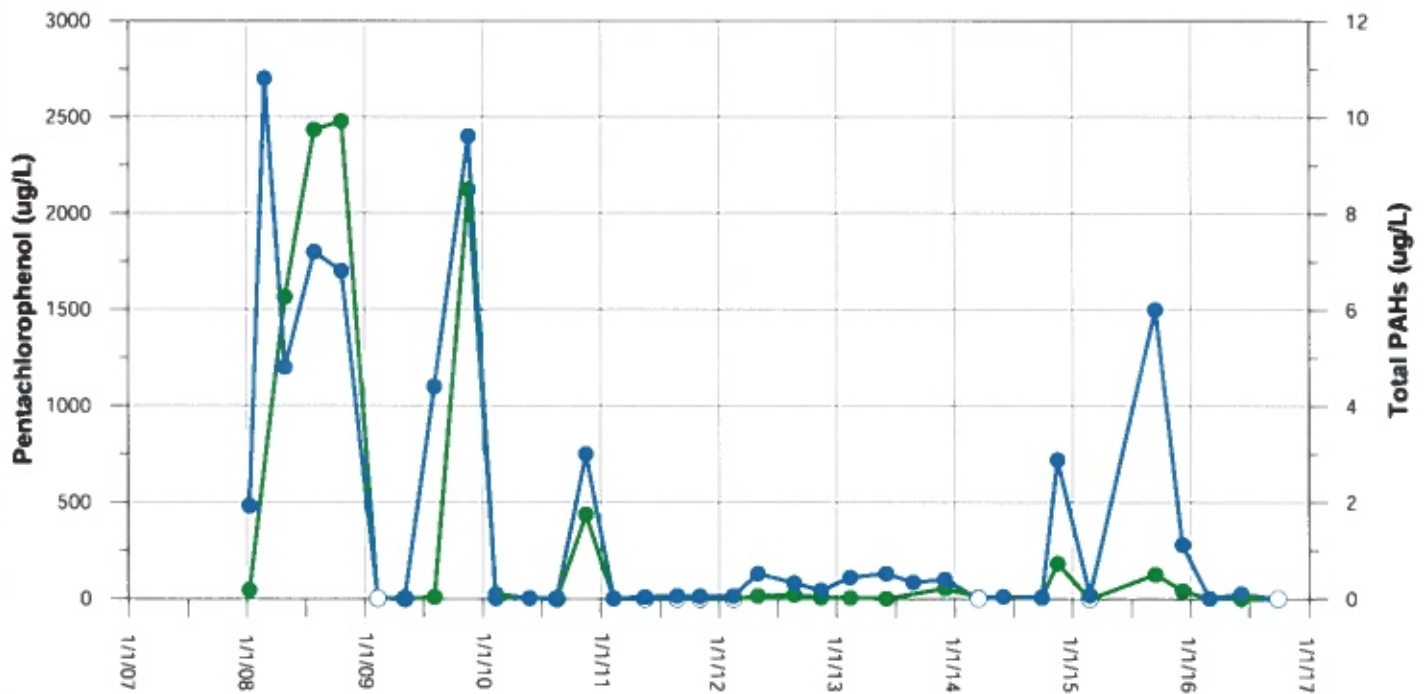
FIGURE A-1
Pentachlorophenol and Total PAHs Groundwater
Concentrations in BXS-1 and BXS-2

Former J.H. Baxter Wood Treating Facility
 Arlington, Washington

MW-2



MW-3



Legend:

- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values
- Total PAHs Detected Values
- Total PAHs Non-Detected Values

Notes:

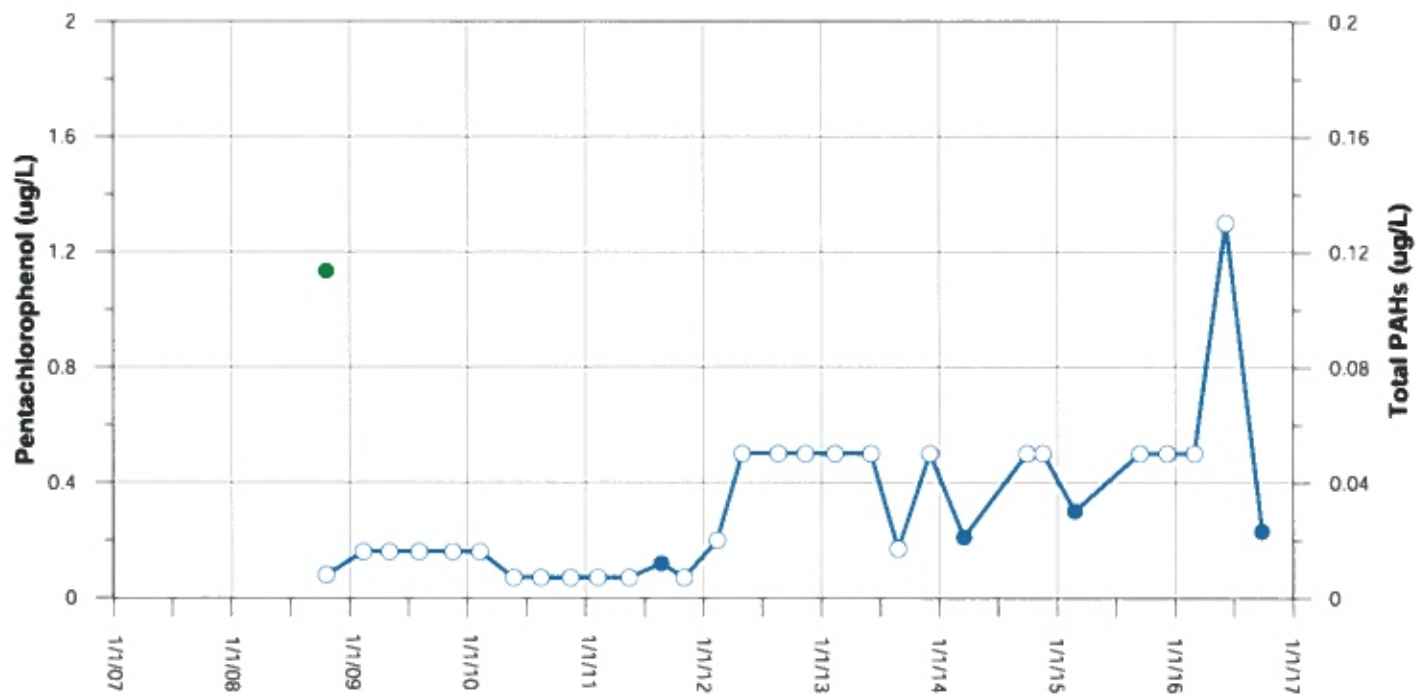
ug/L = microgram per liter

Total polycyclic aromatic hydrocarbons (PAHs) equals the sum of detected analytes (ND = 0).

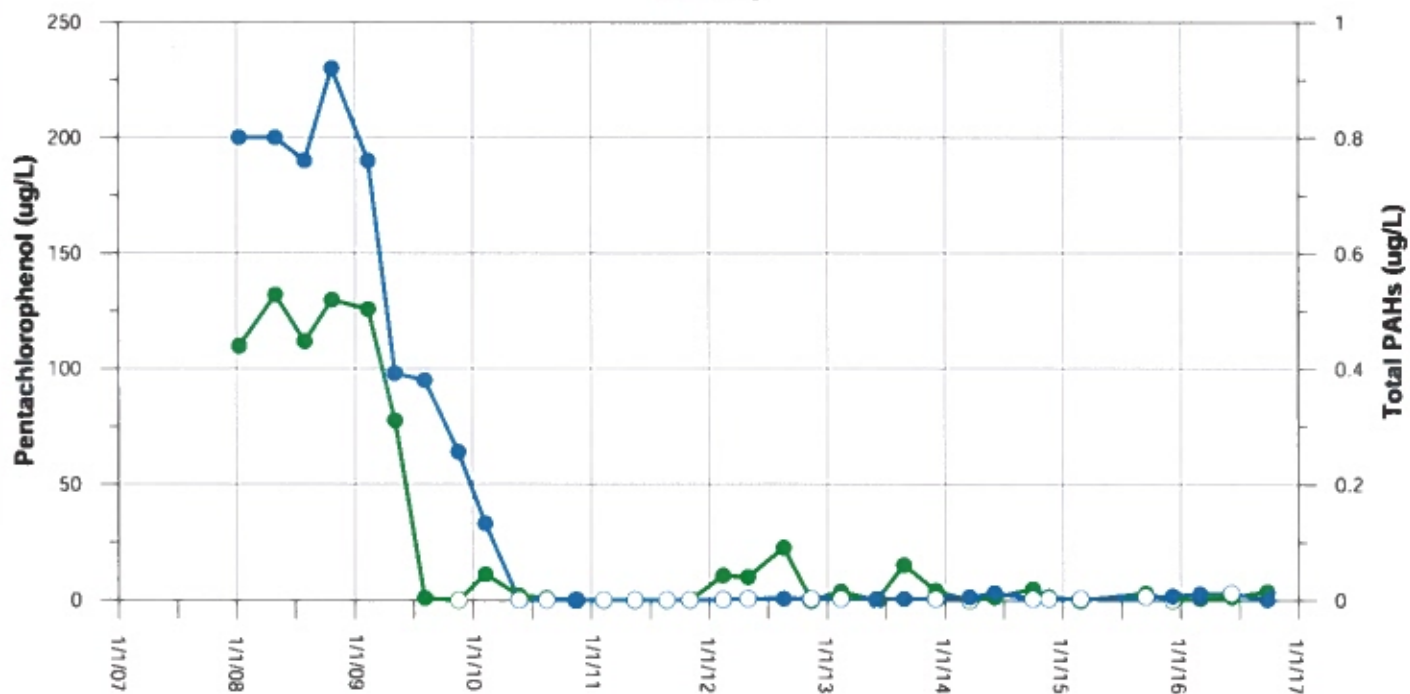
FIGURE A-2 Pentachlorophenol and Total PAHs Groundwater Concentrations in MW-2 and MW-3

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

HCMW-7



MW-15



Legend:

- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values
- Total PAHs Detected Values
- Total PAHs Non-Detected Values

Notes:

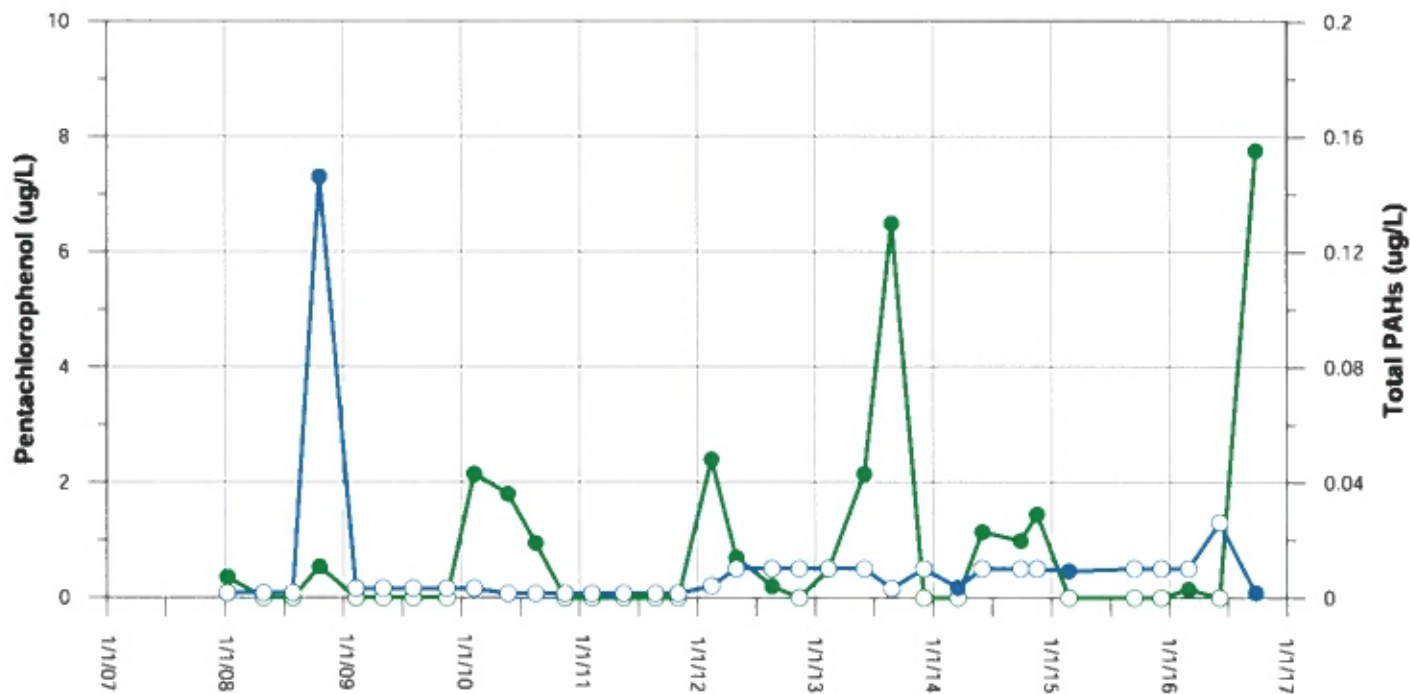
ug/L = microgram per liter

Total polycyclic aromatic hydrocarbons (PAHs) equals the sum of detected analytes (ND = 0).

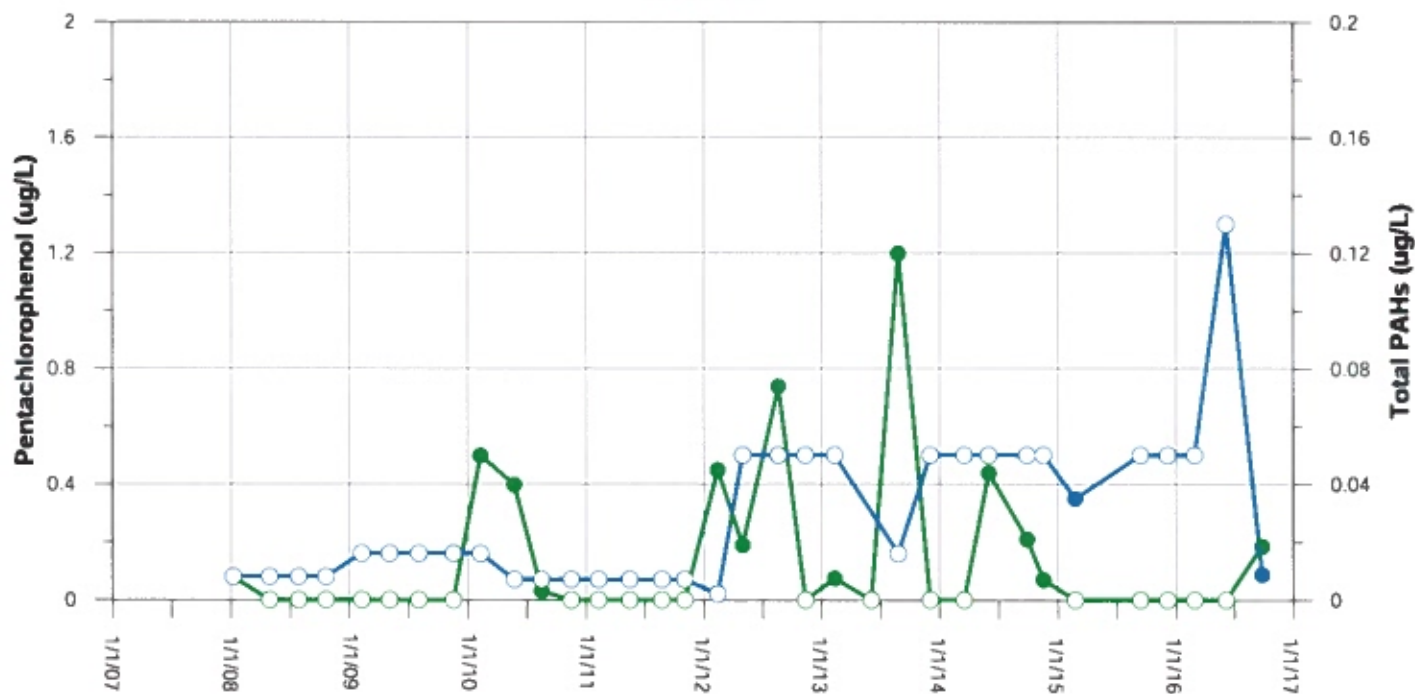
FIGURE A-3
Pentachlorophenol and Total PAHs Groundwater
Concentrations in HCMW-7 and MW-15

Former J.H. Baxter Wood Treating Facility
 Arlington, Washington

MW-16



MW-17



Legend:

- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values
- Total PAHs Detected Values
- Total PAHs Non-Detected Values

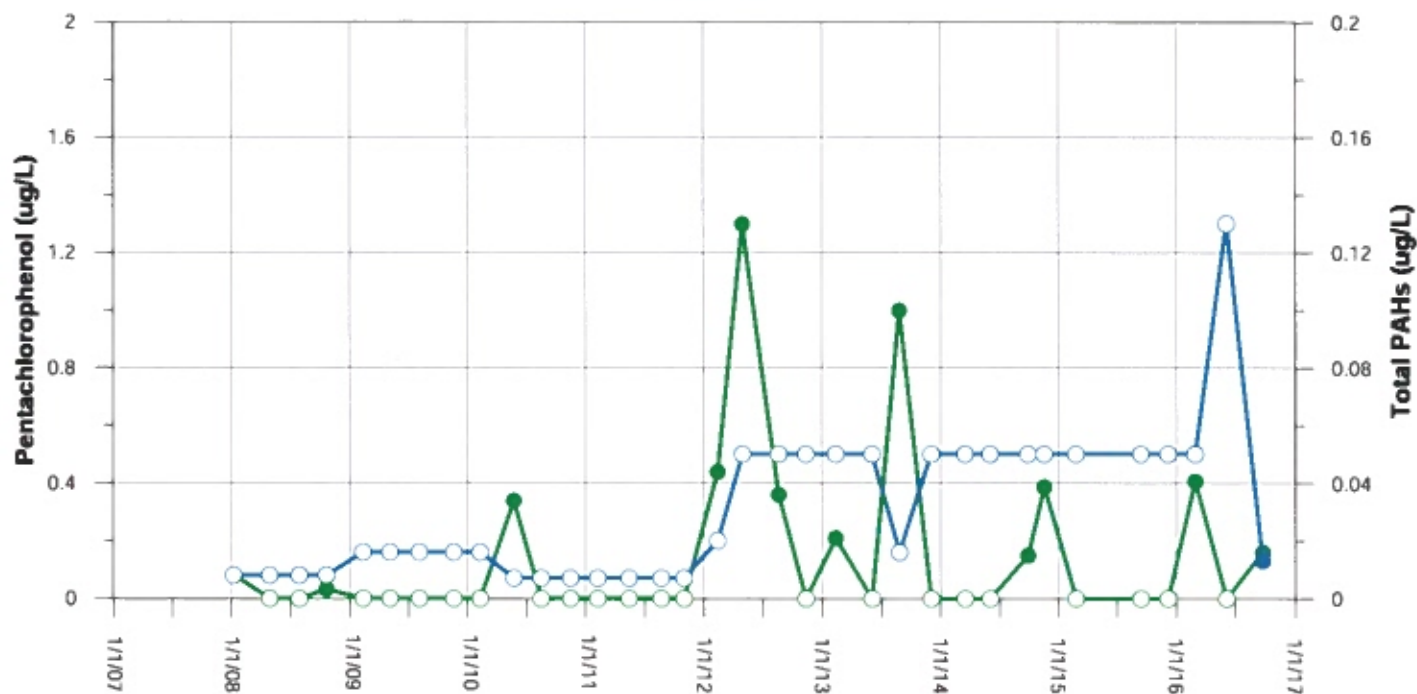
Notes:

ug/L = microgram per liter
 Total polycyclic aromatic hydrocarbons (PAHs) equals the sum of detected analytes (ND = 0).

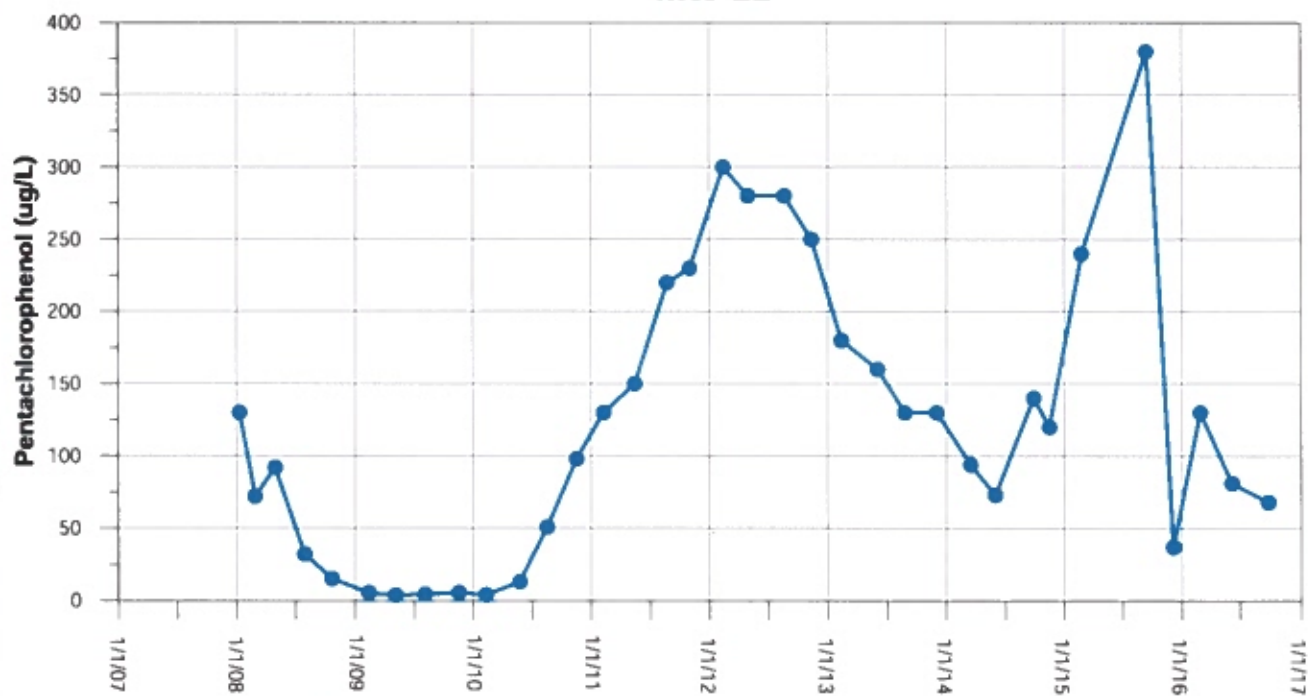
FIGURE A-4 Pentachlorophenol and Total PAHs Groundwater Concentrations in MW-16 and MW-17

Former J.H. Baxter Wood Treating Facility
 Arlington, Washington

MW-18



MW-22



PAHs not analyzed in MW-22.

Legend:

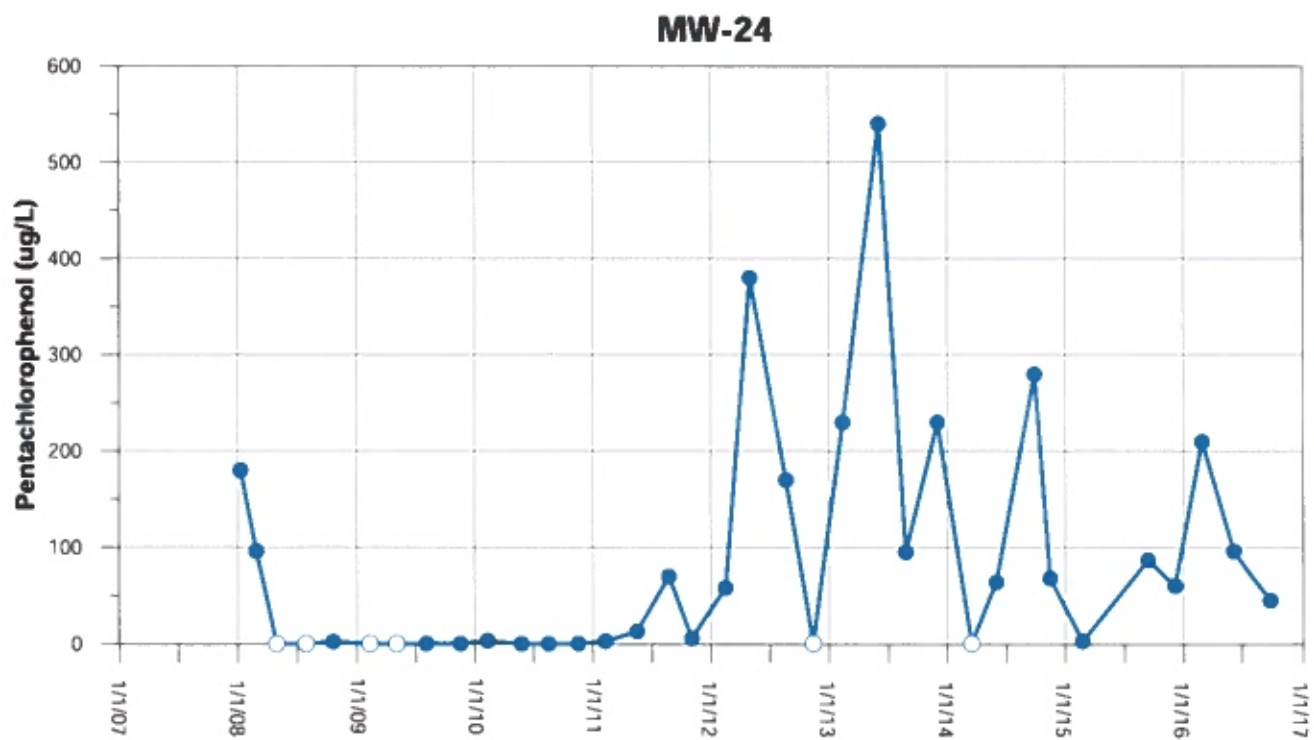
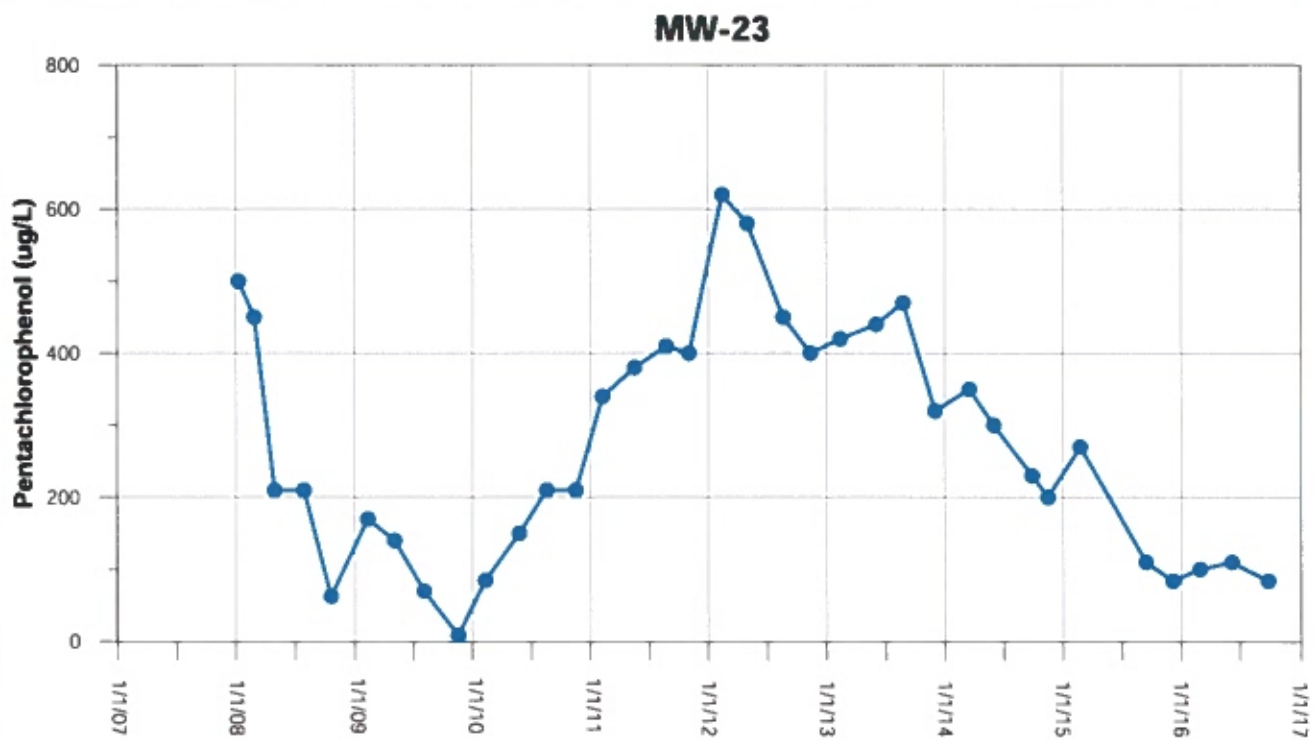
- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values
- Total PAHs Detected Values
- Total PAHs Non-Detected Values

Notes:

ug/L = microgram per liter
Total polycyclic aromatic hydrocarbons (PAHs) equals the sum of detected analytes (ND = 0).

FIGURE A-5
Pentachlorophenol and Total PAHs Groundwater Concentrations in MW-18 and MW-22

Former J.H. Baxter Wood Treating Facility
Arlington, Washington



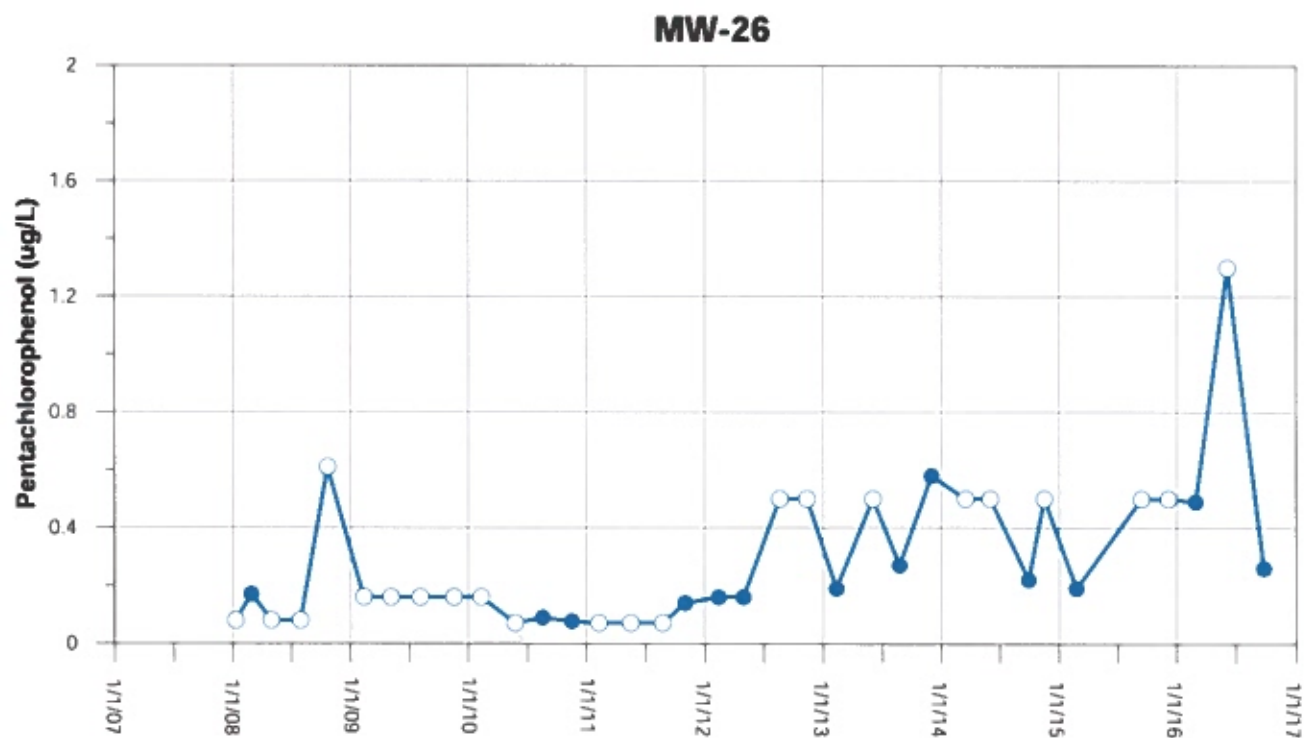
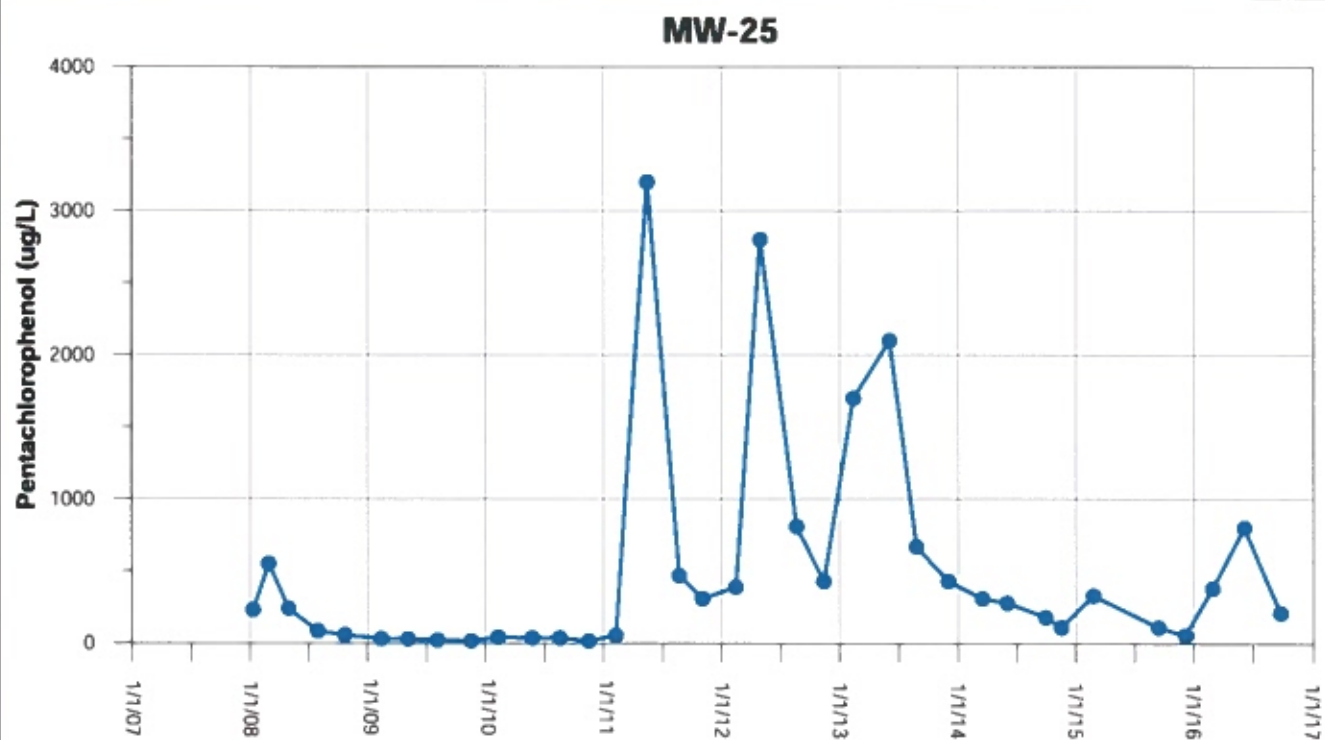
Legend:

- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values

Notes:

ug/L = microgram per liter

FIGURE A-6
Pentachlorophenol Groundwater
Concentrations in MW-23 and MW-24
 Former J.H. Baxter Wood Treating Facility
 Arlington, Washington



Legend:

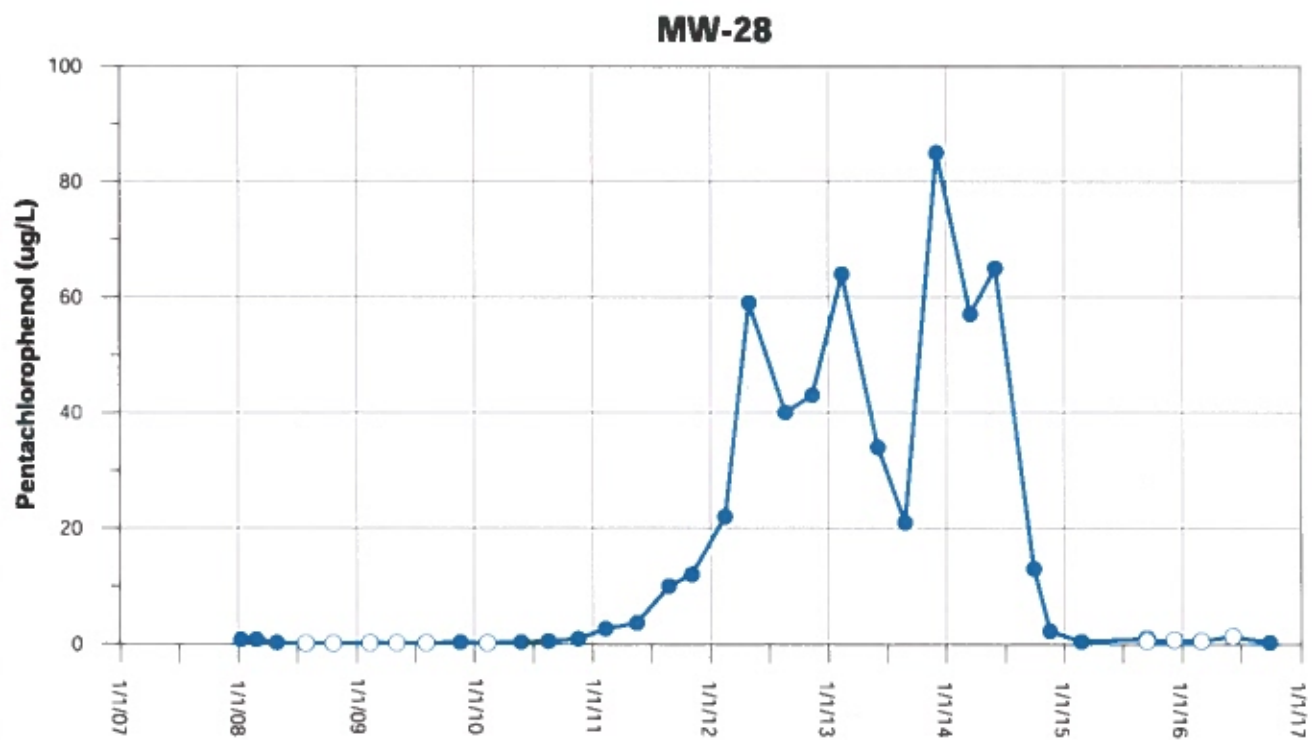
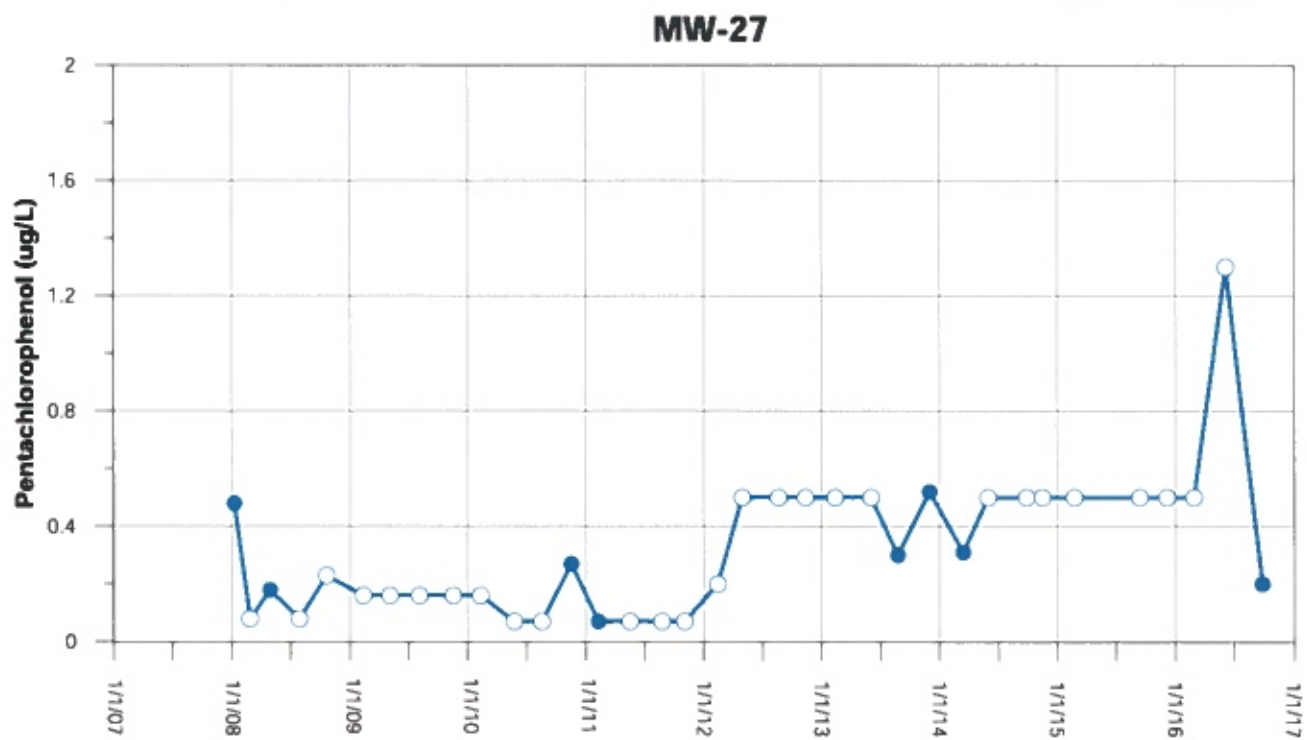
-  Pentachlorophenol Detected Values
 Pentachlorophenol Non-Detected Values

Notes:

ug/L = microgram per liter

FIGURE A-7
Pentachlorophenol Groundwater
Concentrations in MW-25 and MW-26
Former J.H. Baxter Wood Treating Facility
Arlington, Washington





Legend:

- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values

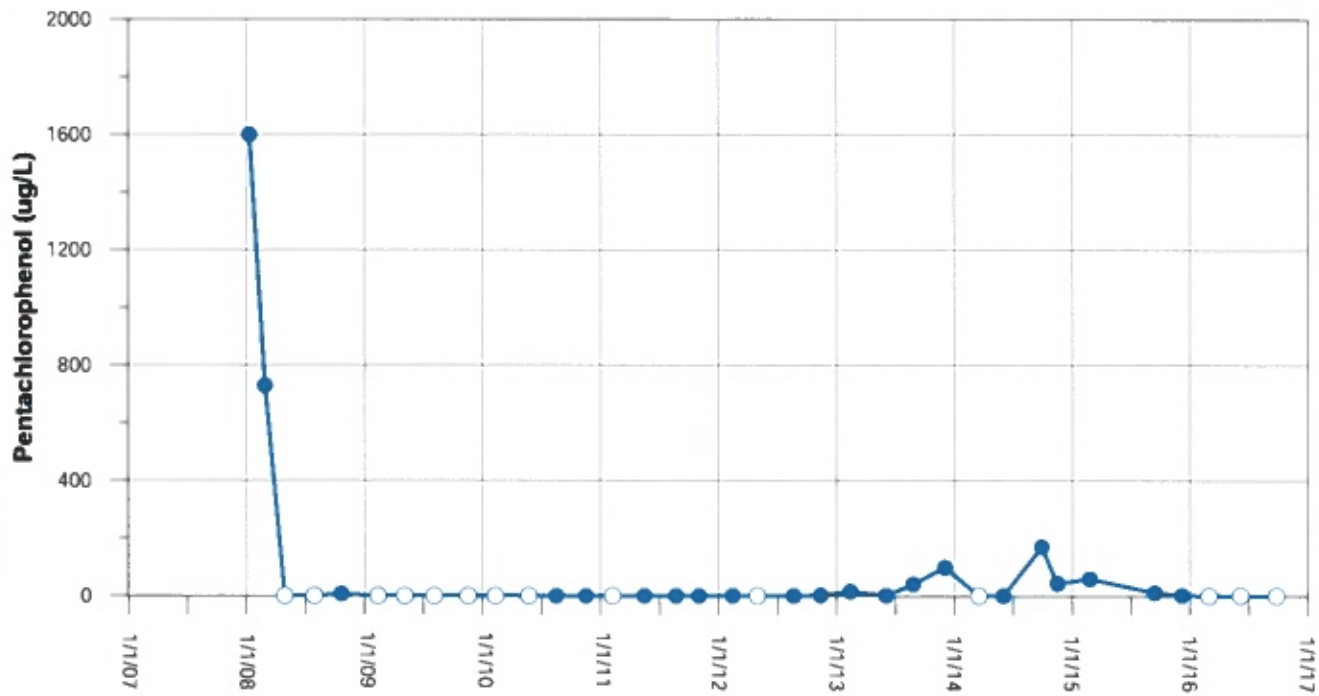
Notes:

ug/L = microgram per liter

FIGURE A-8
Pentachlorophenol Groundwater
Concentrations in MW-27 and MW-28
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

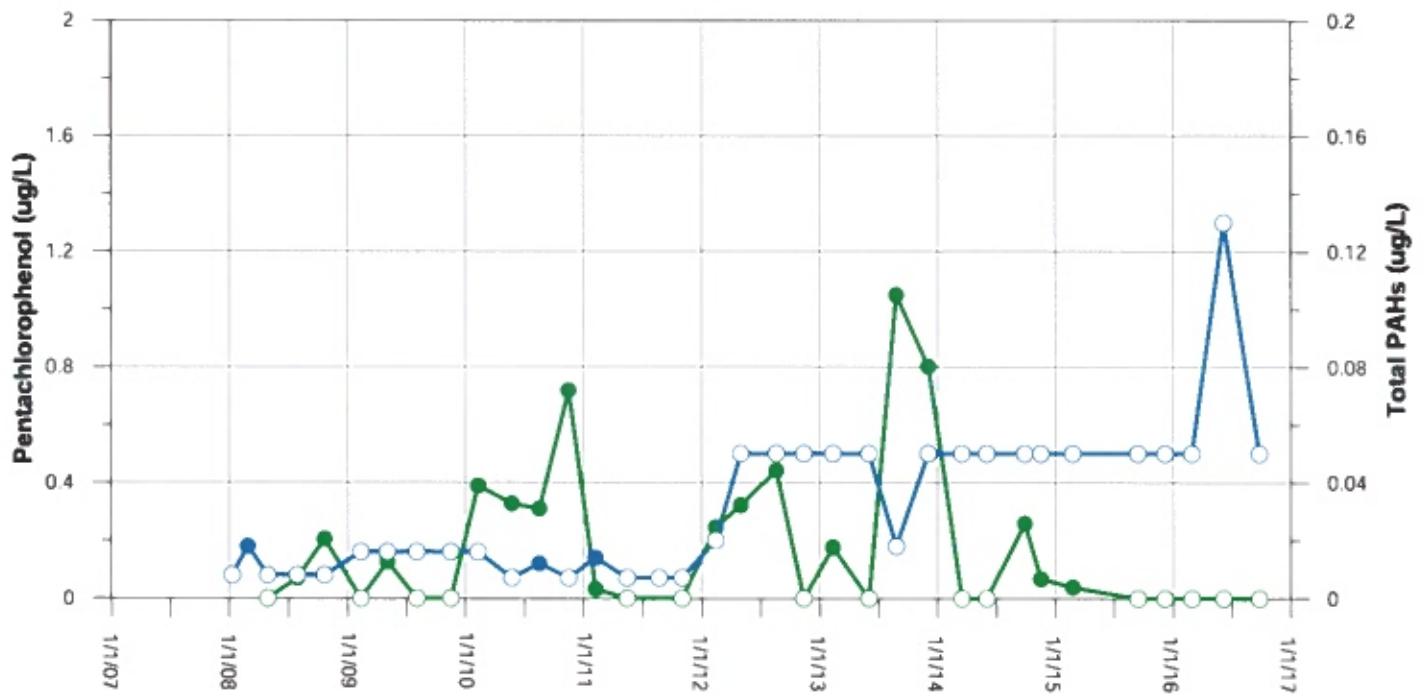


MW-29



PAHs not analyzed in MW-29.

MW-30



Legend:

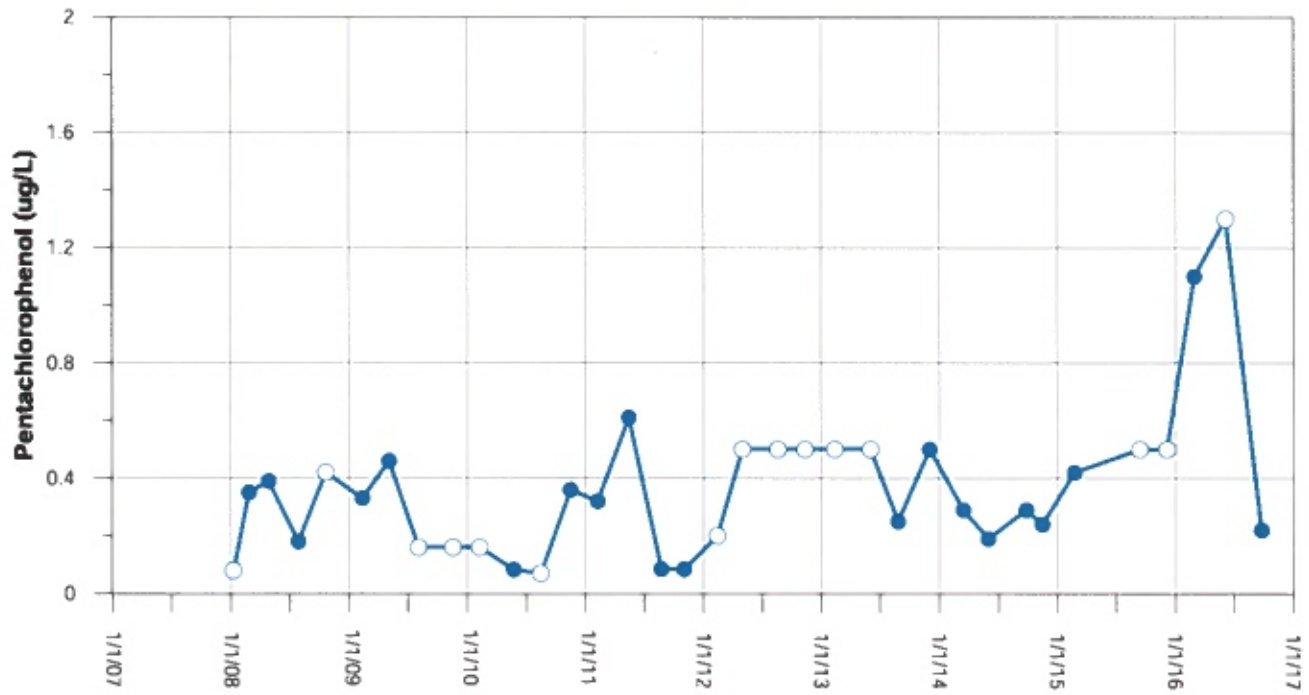
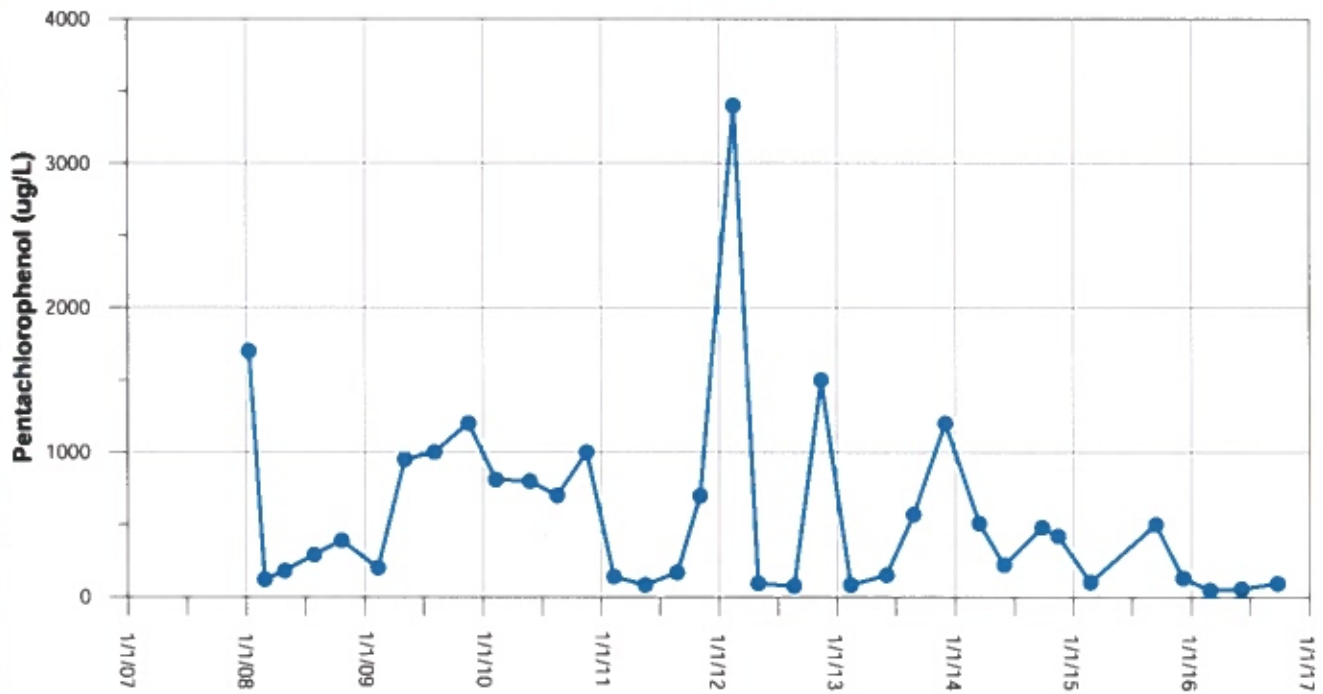
- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values
- Total PAHs Detected Values
- Total PAHs Non-Detected Values

Notes: ug/L = microgram per liter

Total polycyclic aromatic hydrocarbons (PAHs) equals the sum of detected analytes (ND = 0).

FIGURE A-9
Pentachlorophenol and Total PAHs Groundwater
Concentrations in MW-29 and MW-30

Former J.H. Baxter Wood Treating Facility
 Arlington, Washington

MW-31**MW-32****Legend:**

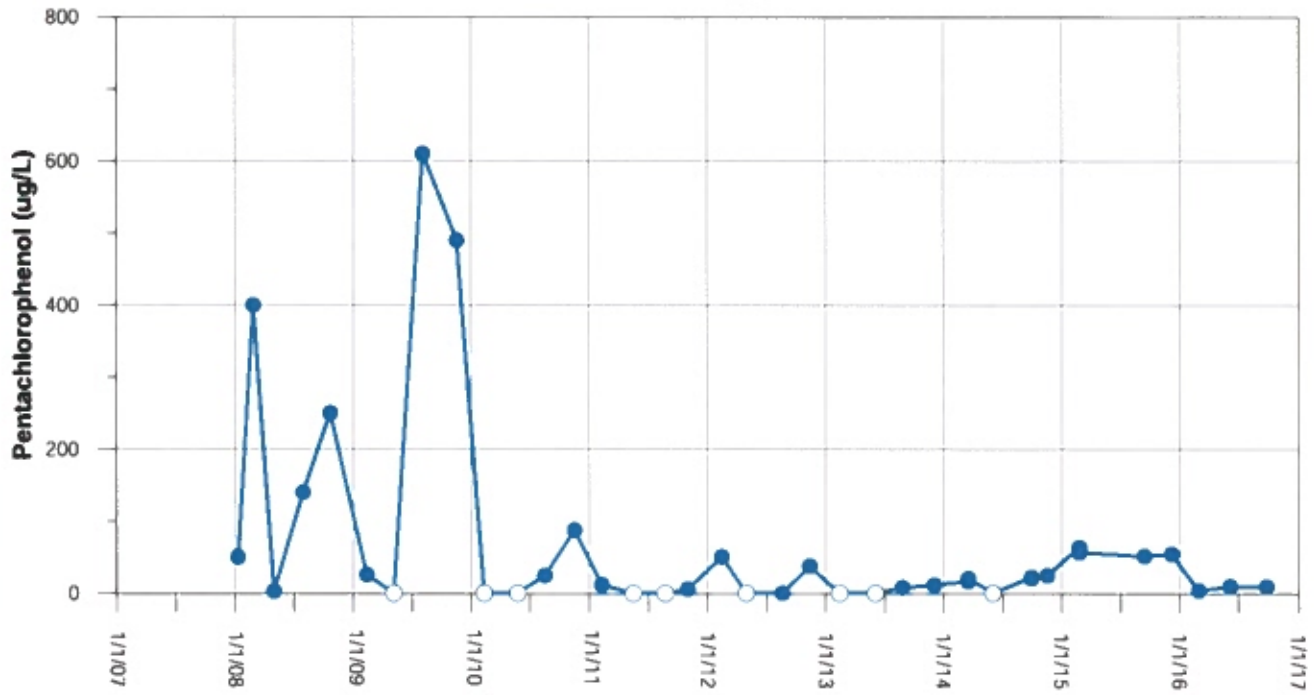
- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values

Notes:

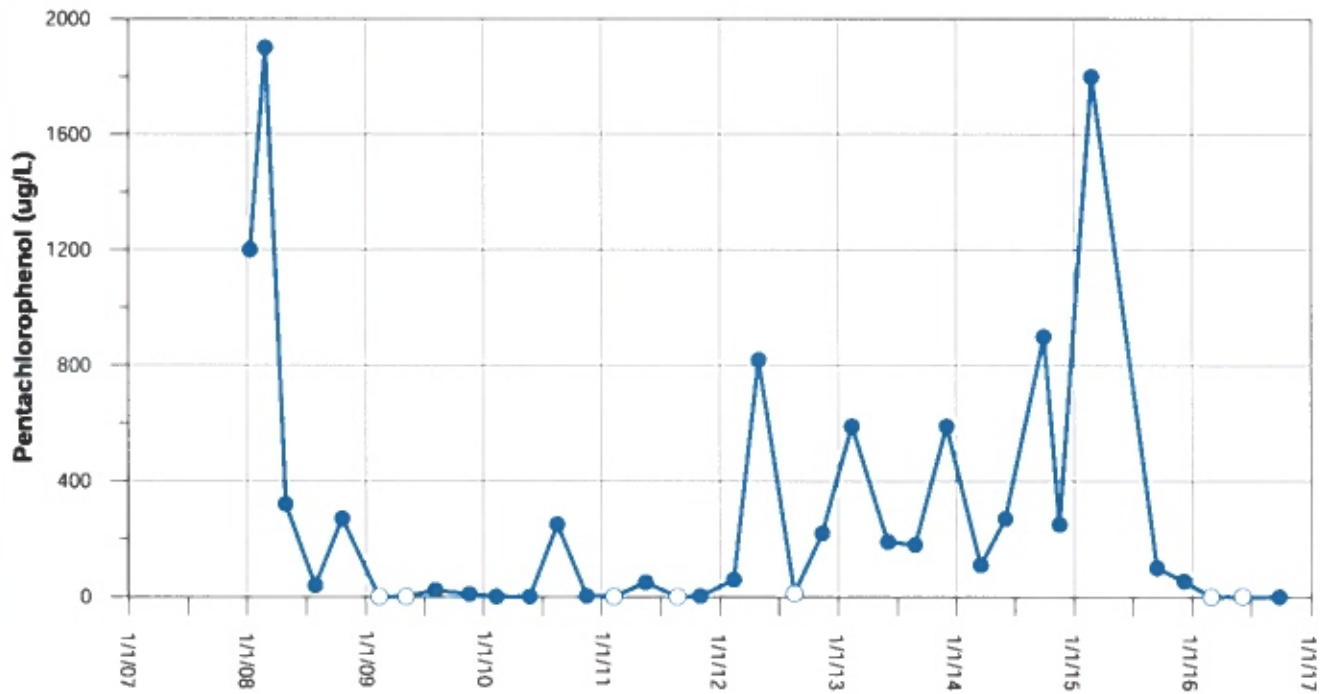
ug/L = microgram per liter

FIGURE A-10
Pentachlorophenol Groundwater
Concentrations in MW-31 and MW-32
 Former J.H. Baxter Wood Treating Facility
 Arlington, Washington

MW-33



MW-34



Legend:

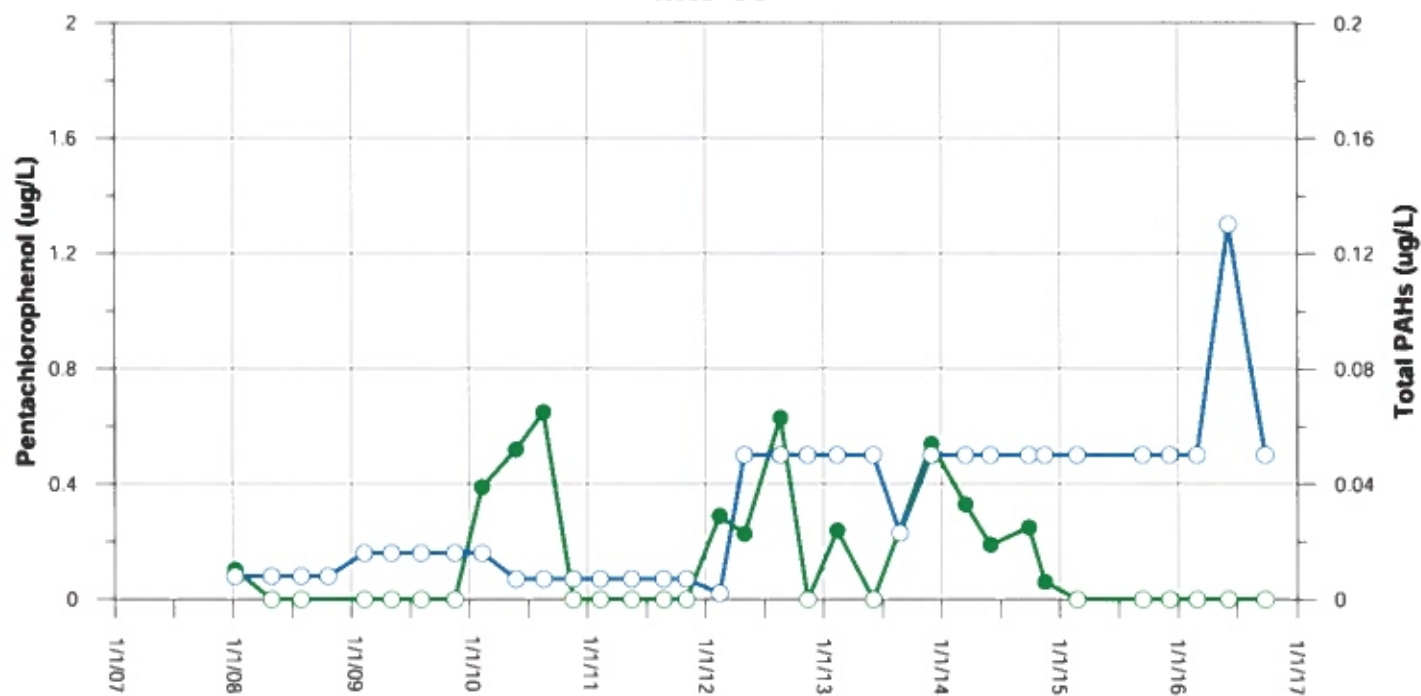
- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values

Notes:

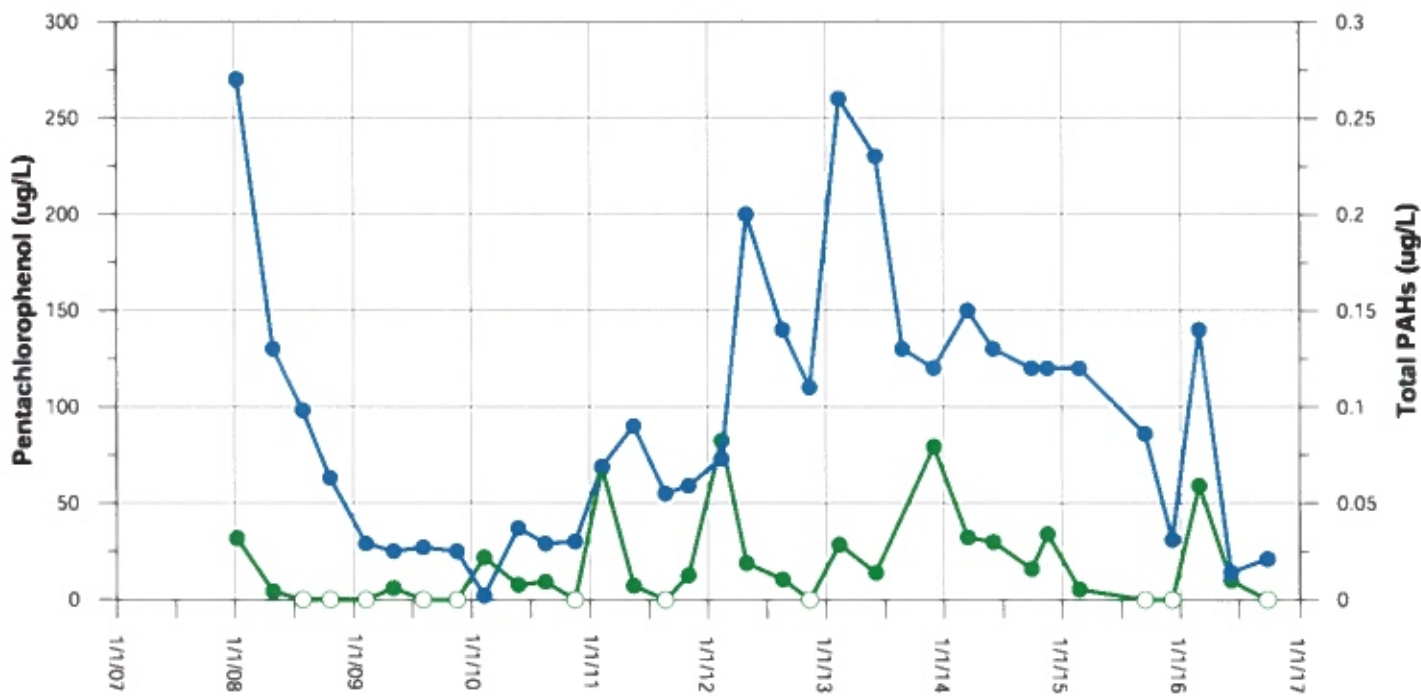
ug/L = microgram per liter

FIGURE A-11
Pentachlorophenol Groundwater
Concentrations in MW-33 and MW-34
 Former J.H. Baxter Wood Treating Facility
 Arlington, Washington

MW-35



MW-36



Legend:

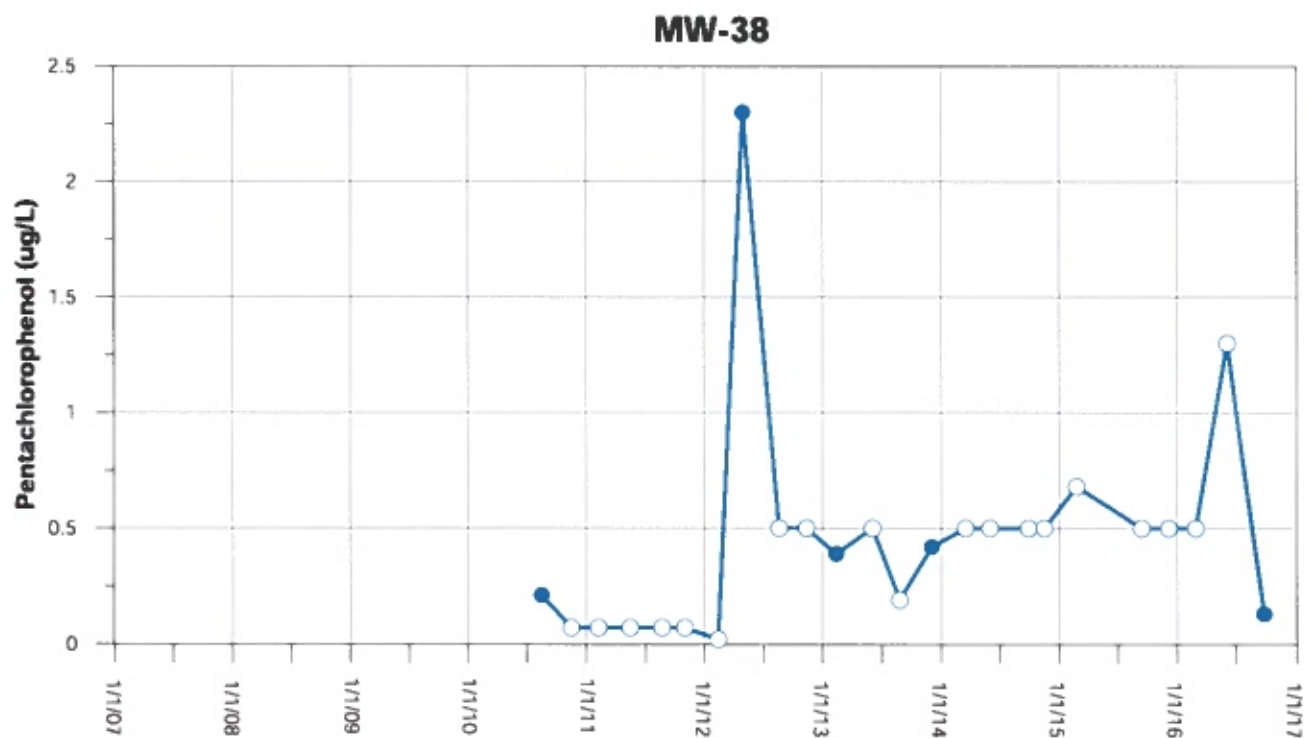
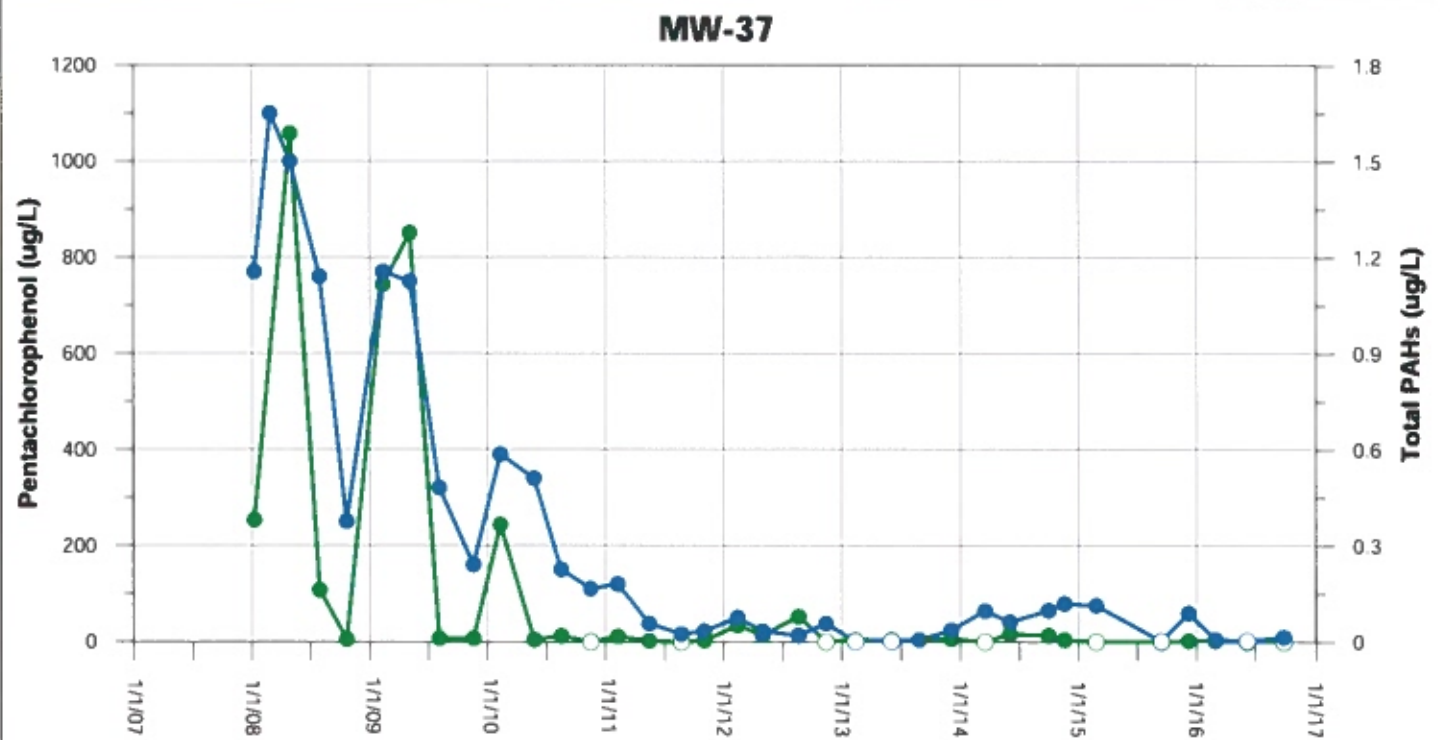
- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values
- Total PAHs Detected Values
- Total PAHs Non-Detected Values

Notes:

ug/L = microgram per liter
 Total polycyclic aromatic hydrocarbons (PAHs) equals the sum of detected analytes (ND = 0).

FIGURE A-12
Pentachlorophenol and Total PAHs Groundwater
Concentrations in MW-35 and MW-36

Former J.H. Baxter Wood Treating Facility
 Arlington, Washington



PAHs not analyzed in MW-38.

Legend:

- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values
- Total PAHs Detected Values
- Total PAHs Non-Detected Values

Notes:

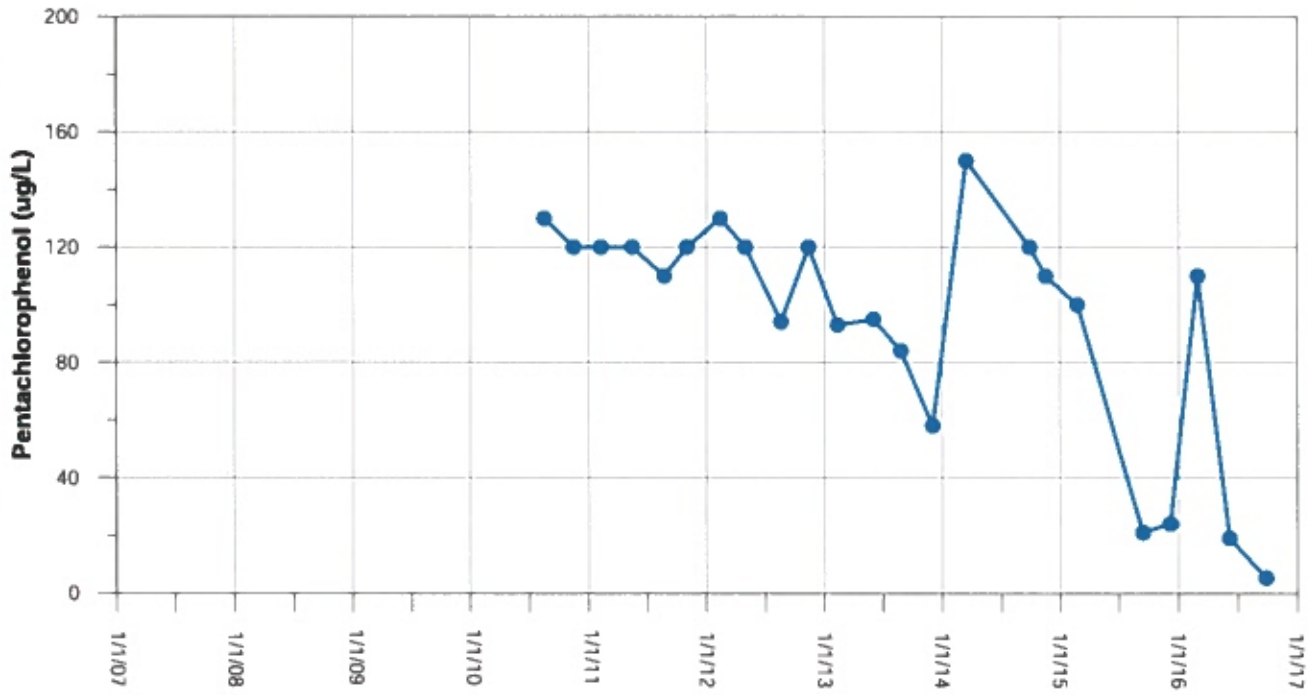
ug/L = microgram per liter

Total polycyclic aromatic hydrocarbons (PAHs) equals the sum of detected analytes (ND = 0).

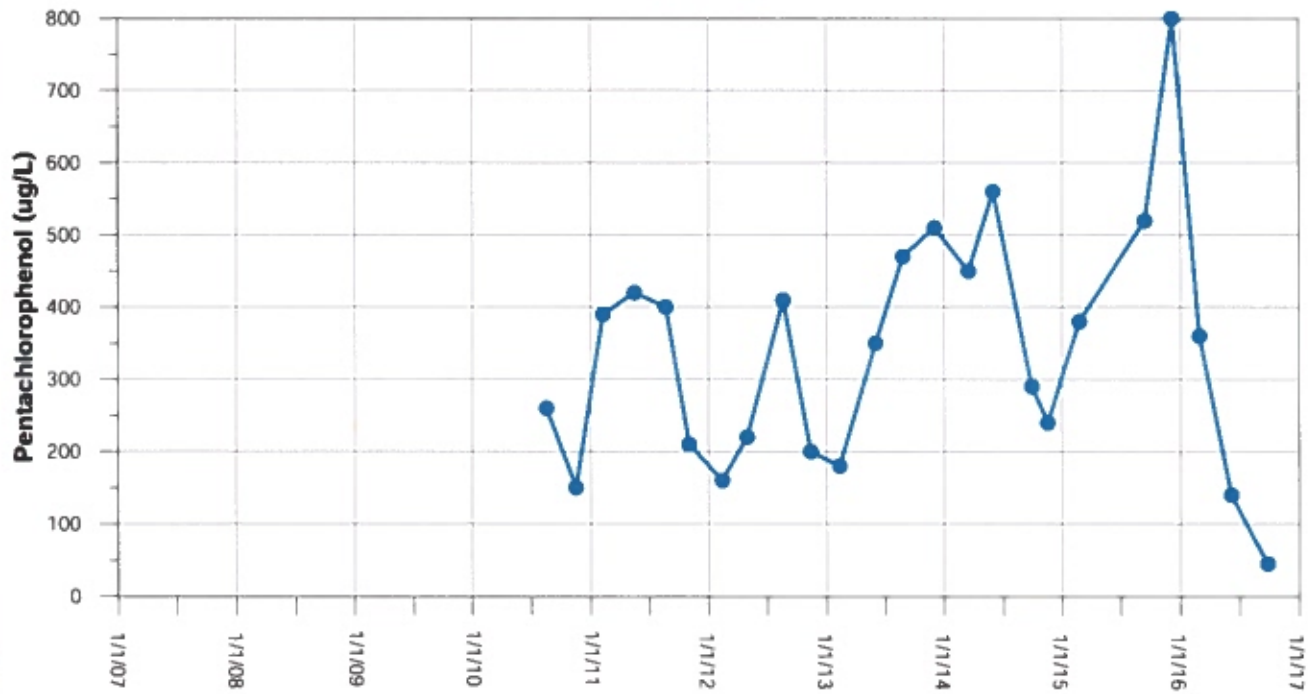
FIGURE A-13
Pentachlorophenol and Total PAHs Groundwater
Concentrations in MW-37 and MW-38

Former J.H. Baxter Wood Treating Facility
 Arlington, Washington

MW-39



MW-40



Legend:

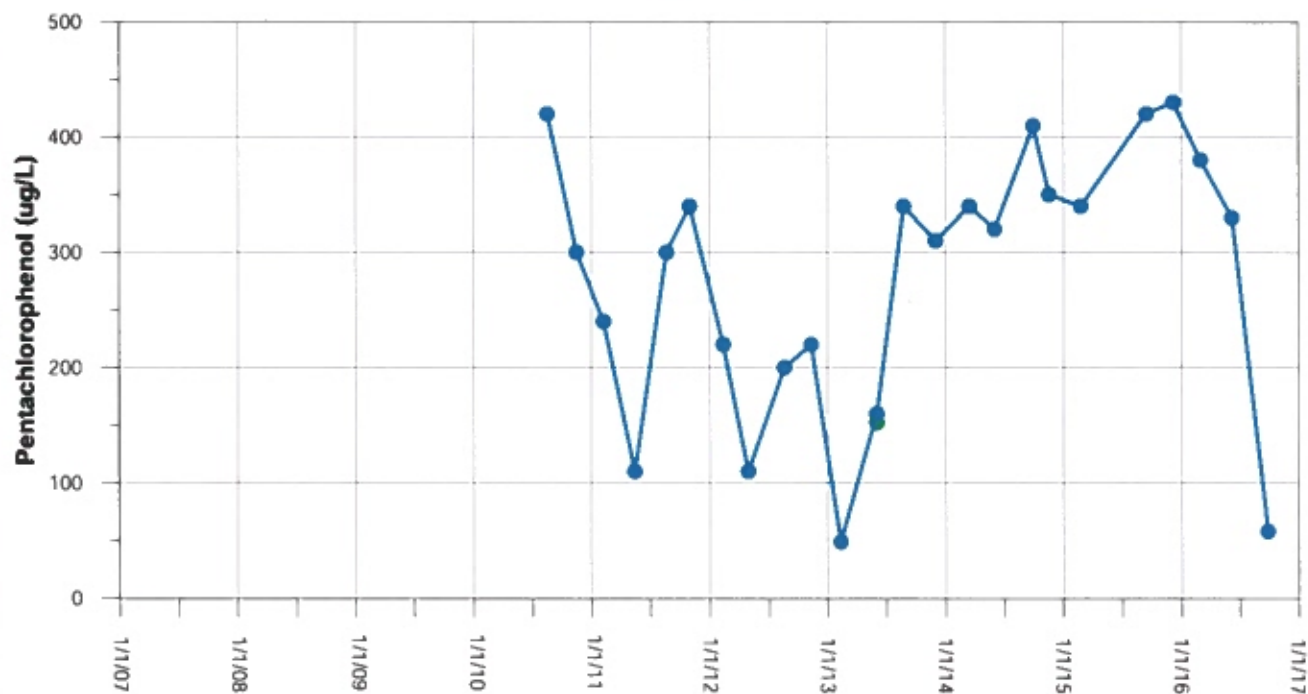
- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values

Notes:

ug/L = microgram per liter

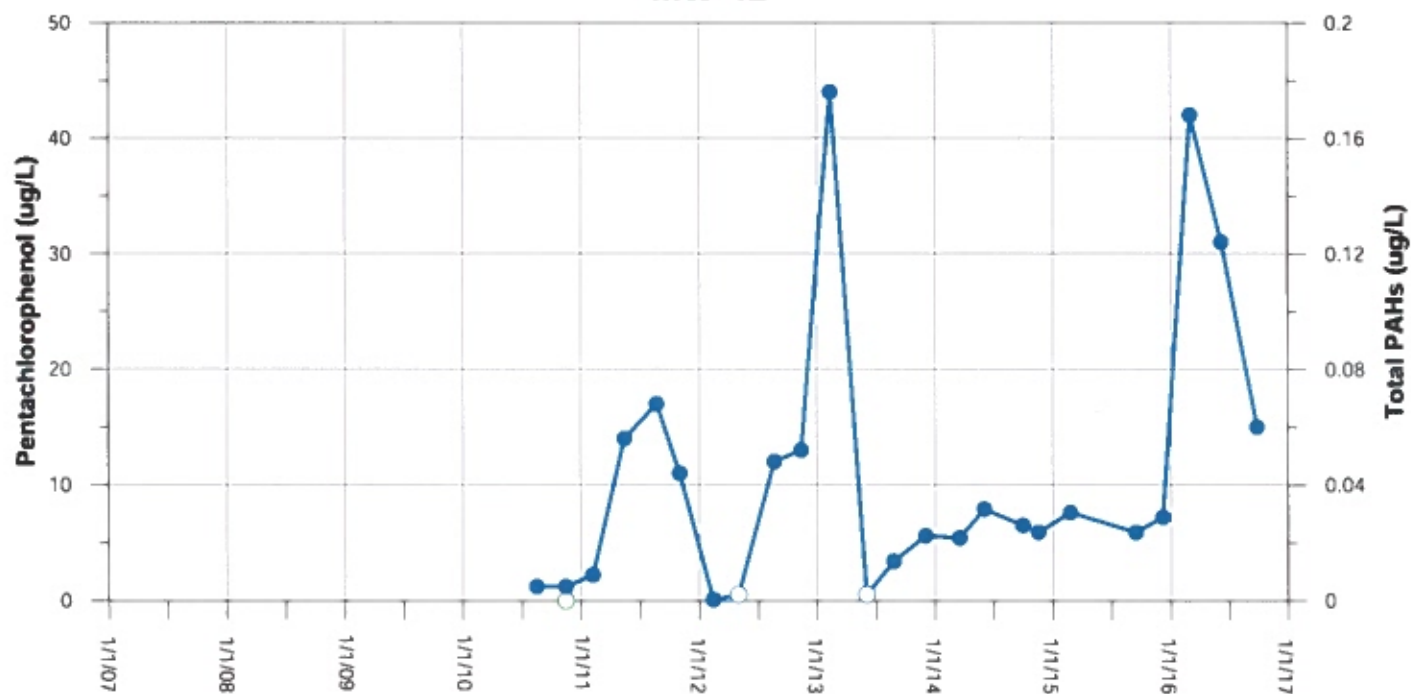
FIGURE A-14
Pentachlorophenol Groundwater
Concentrations in MW-39 and MW-40
 Former J.H. Baxter Wood Treating Facility
 Arlington, Washington

MW-41



PAHs not analyzed in MW-41.

MW-42



Legend:

- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values
- Total PAHs Detected Values
- Total PAHs Non-Detected Values

Notes:

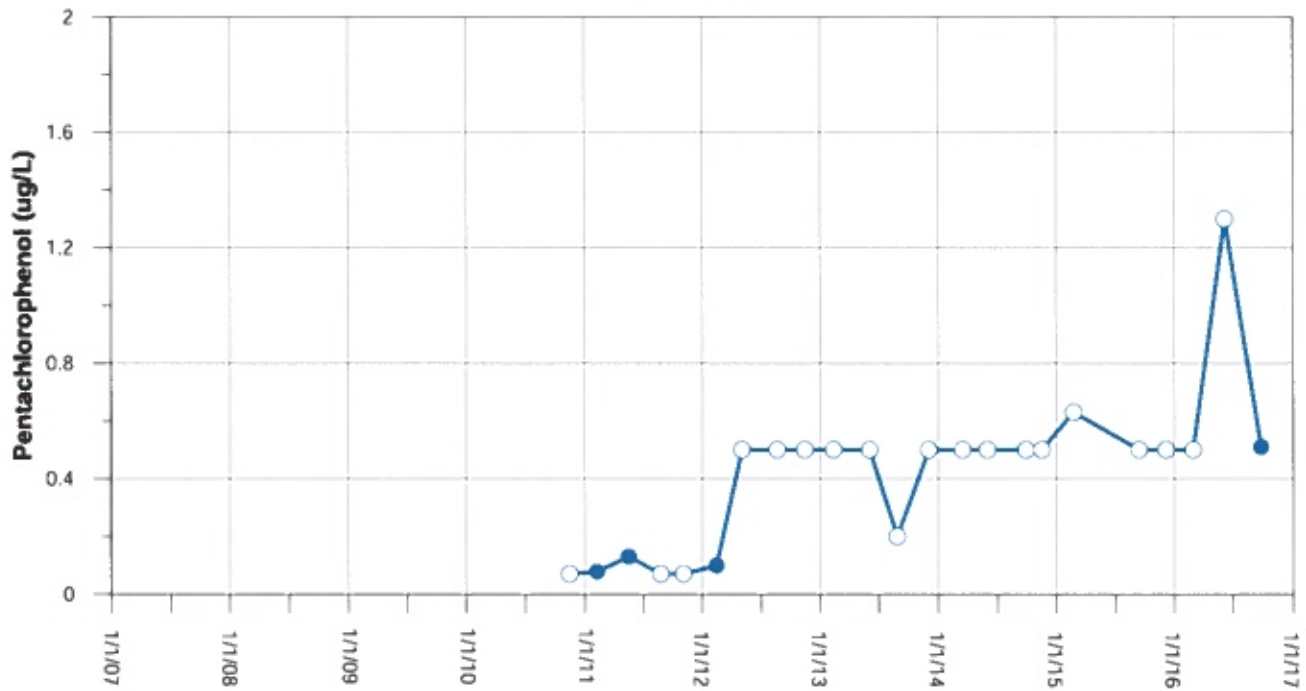
ug/L = microgram per liter

Total polycyclic aromatic hydrocarbons (PAHs) equals the sum of detected analytes (ND = 0).

FIGURE A-15
Pentachlorophenol and Total PAHs Groundwater
Concentrations in MW-41 and MW-42

Former J.H. Baxter Wood Treating Facility
 Arlington, Washington

MW-43



Legend:

- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values

Notes:

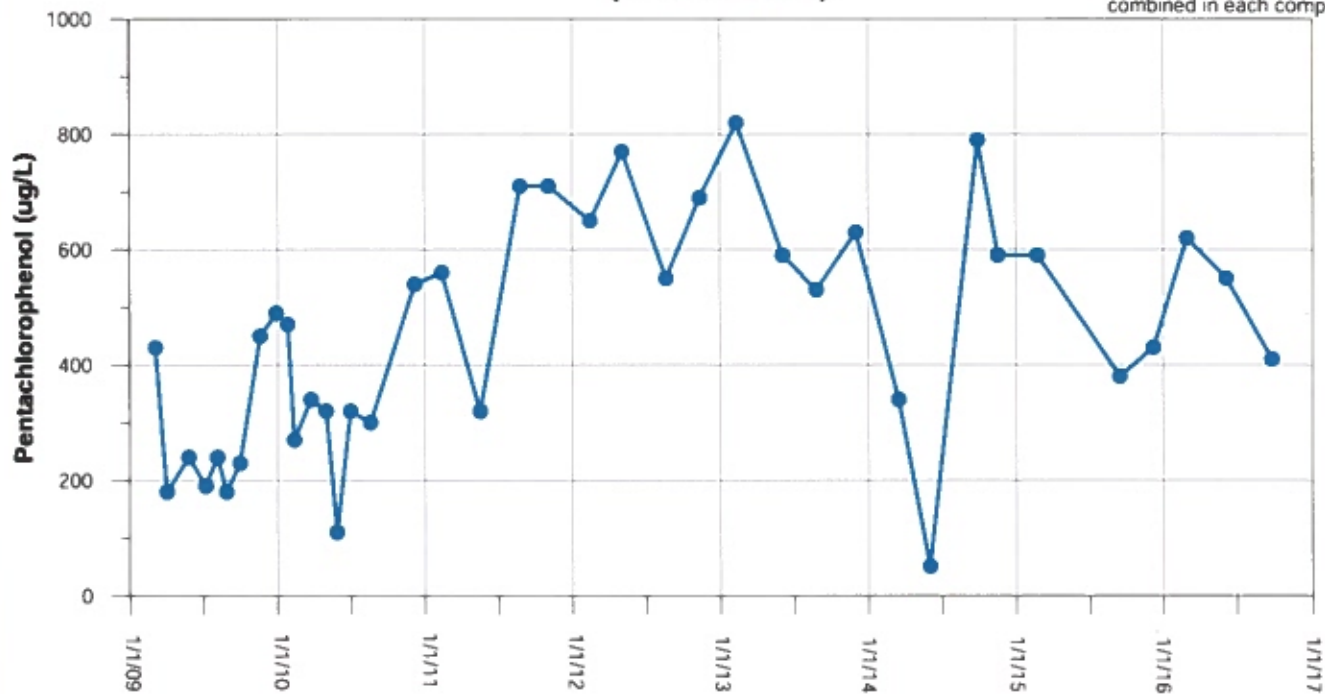
ug/L = microgram per liter

FIGURE A-16
Pentachlorophenol Groundwater Concentrations in MW-43

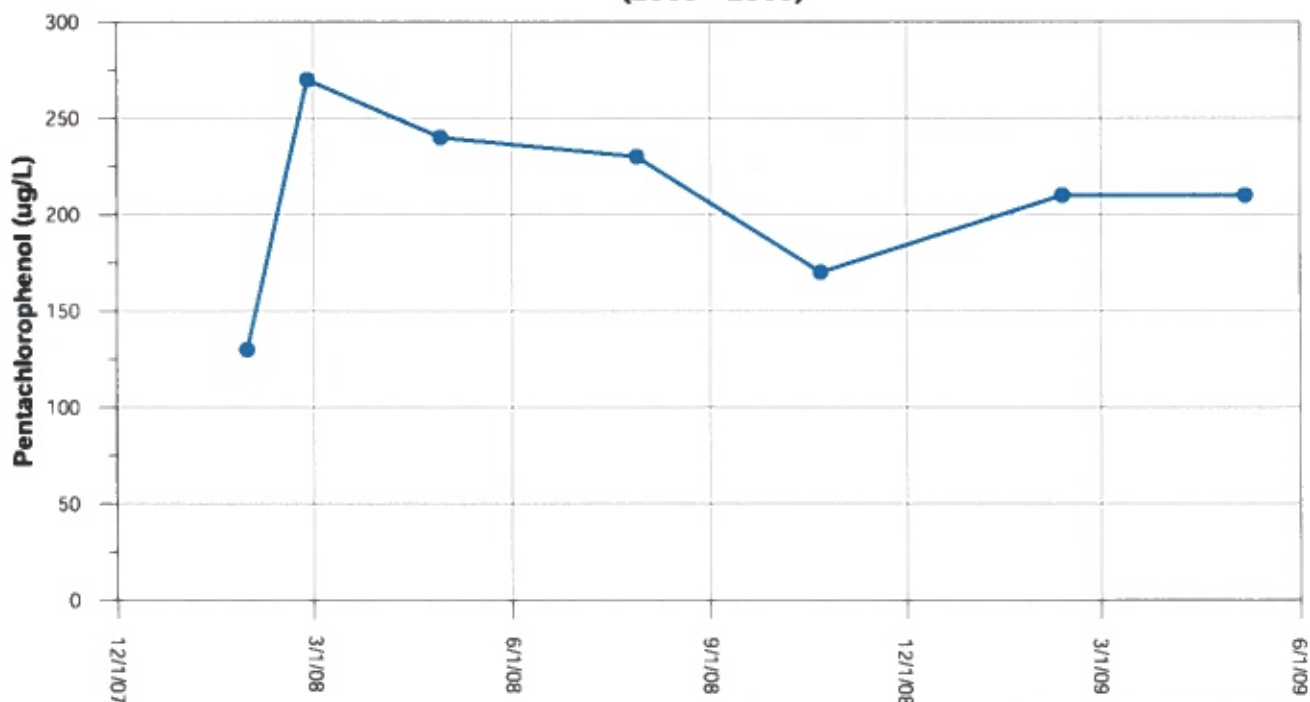
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Extraction Well Composites **EPA Method 8270D and 8151M** **(2009 - current)**

See Table 4C for extraction wells combined in each composite sample.



Extraction Well Composites (EW-1 through EW-7) **EPA Method 8151** **(2008 - 2009)**



Legend:

- Pentachlorophenol Detected Values
- Pentachlorophenol Non-Detected Values

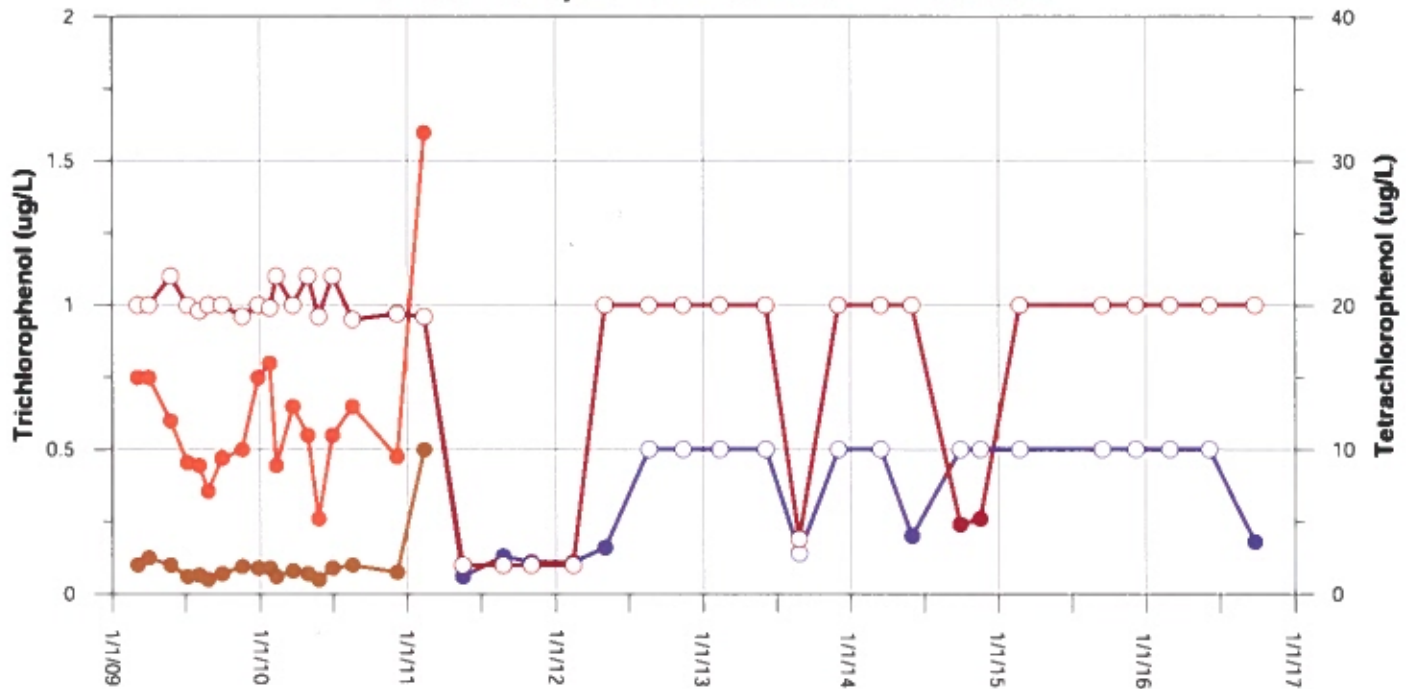
Pentachlorophenol Groundwater Concentrations in Extraction Well Composite Samples by EPA Method 8270D and 8151

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

Notes:

ug/L = microgram per liter

Extraction Well Composites Pentachlorophenol Breakdown Products



Legend:

- 2,4,5-Trichlorophenol Detected Values
- 2,4,5-Trichlorophenol Non-Detected Values
- 2,4,6-Trichlorophenol Detected Values
- 2,4,6-Trichlorophenol Non-Detected Values
- 2,3,4,6-Tetrachlorophenol Detected Values
- 2,3,5,6-Tetrachlorophenol Detected Values

FIGURE A-18 Pentachlorophenol Breakdown Products Groundwater Concentrations in Extraction Well Composite Samples

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

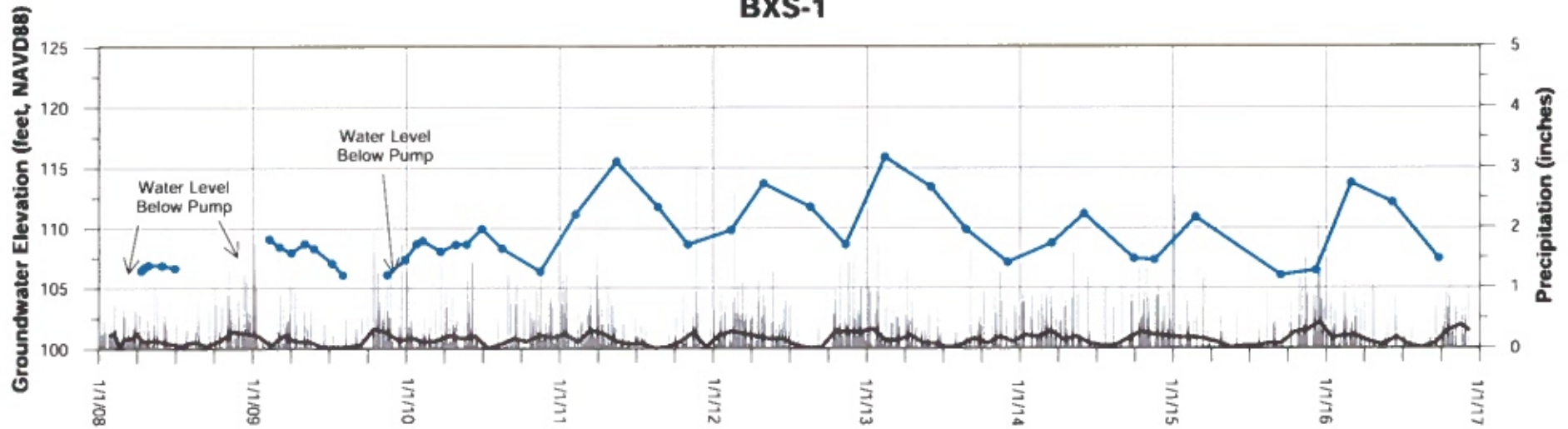
Notes:

ug/L = microgram per liter
Analyzed by EPA Method 8270D and 8151M
See Table 4C for extraction wells combined
in each composite sample

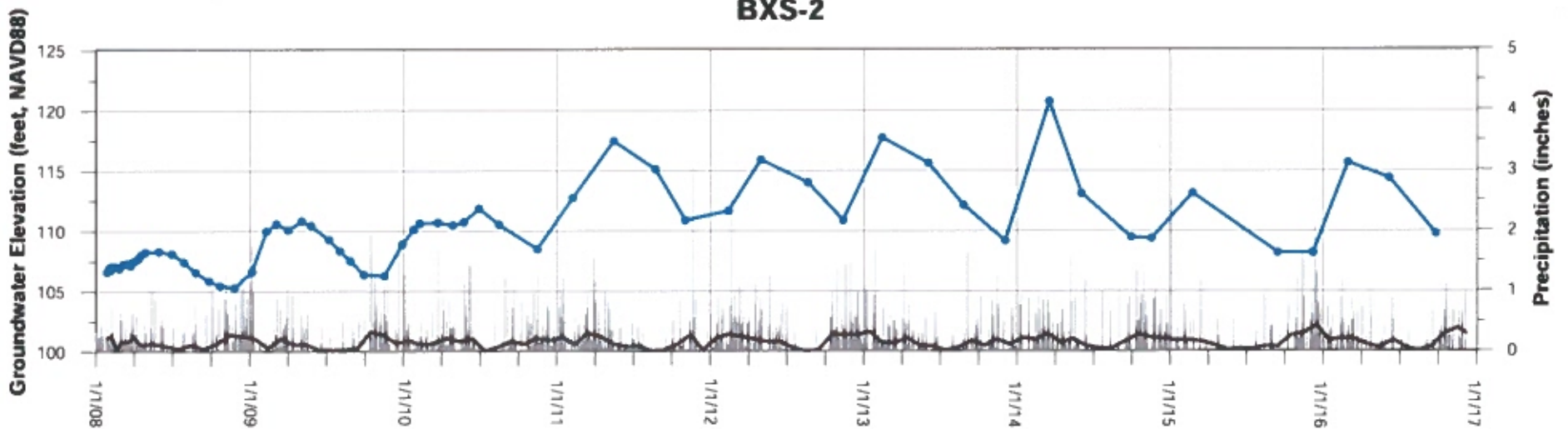
Appendix B

Groundwater Hydrographs

BXS-1



BXS-2



Legend:

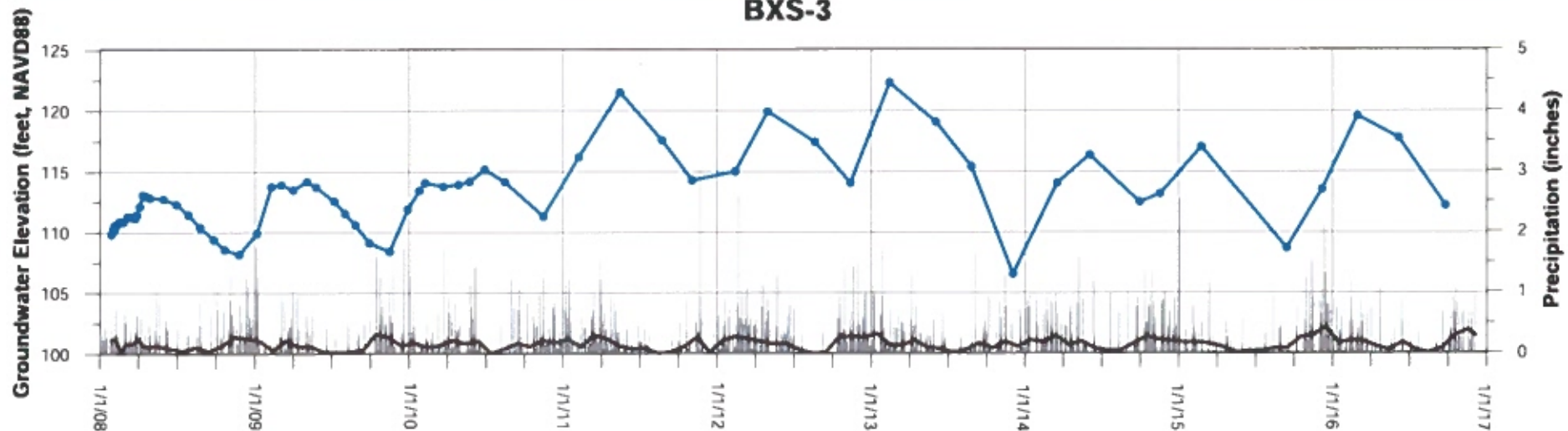
- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

Notes:

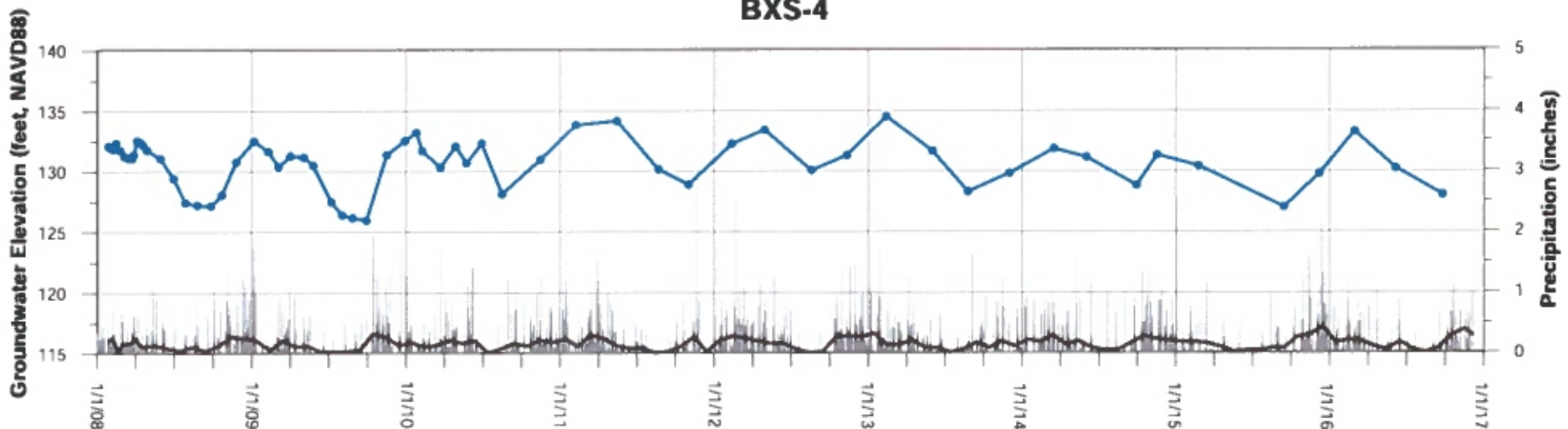
Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
Precipitation includes rain and/or snow melt.

FIGURE B-1
BXS-1 and BXS-2 Hydrographs with Precipitation
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

BXS-3



BXS-4



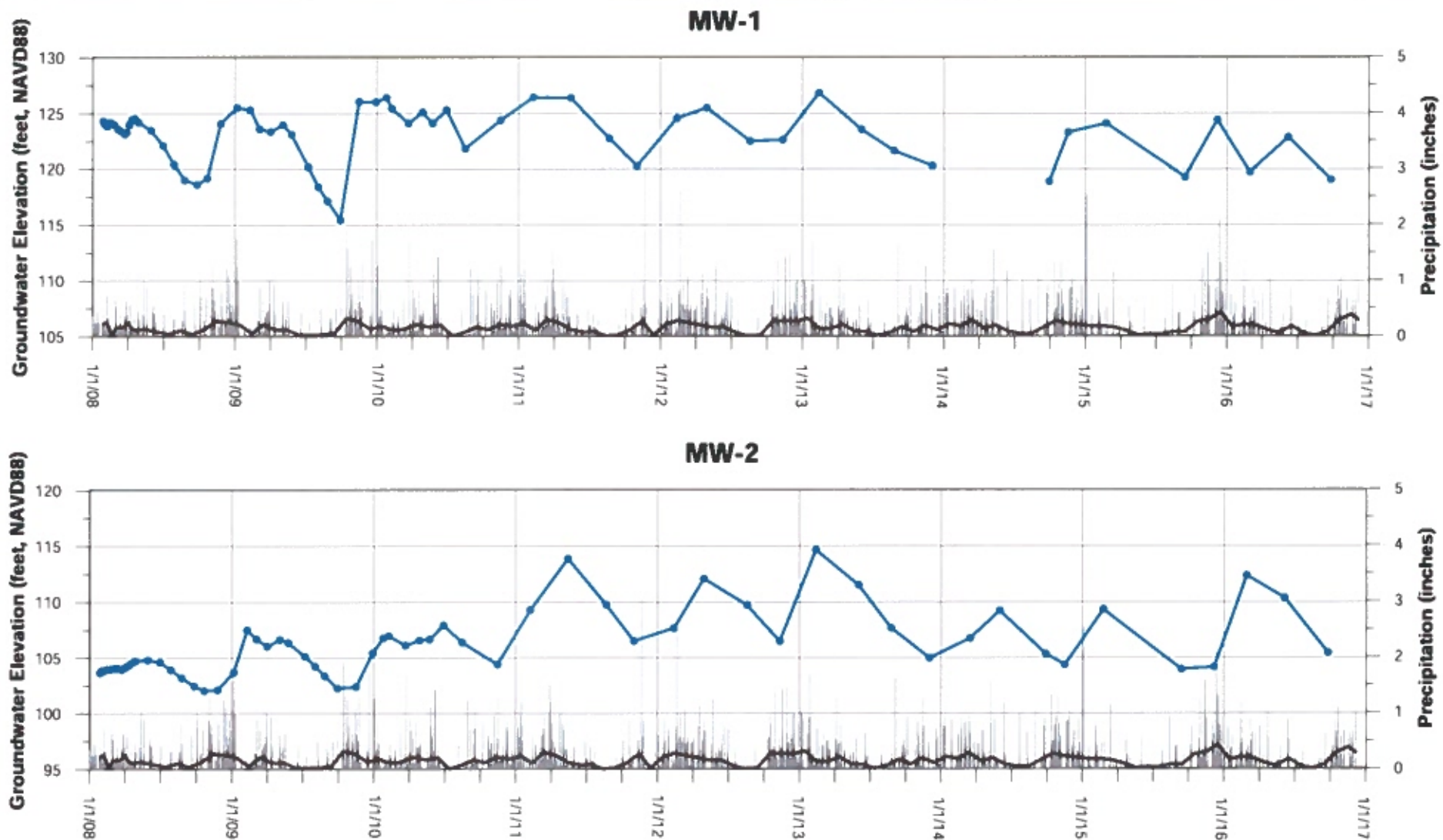
Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
Precipitation includes rain and/or snow melt.

FIGURE B-2
BXS-3 and BXS-4 Hydrographs with Precipitation
Former J.H. Baxter Wood Treating Facility
Arlington, Washington



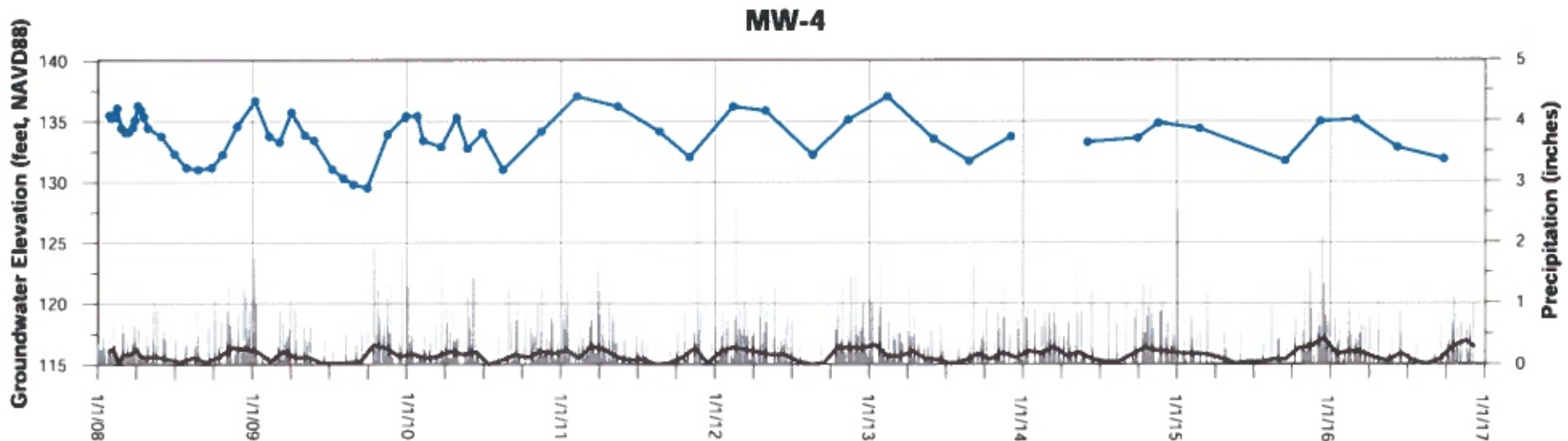
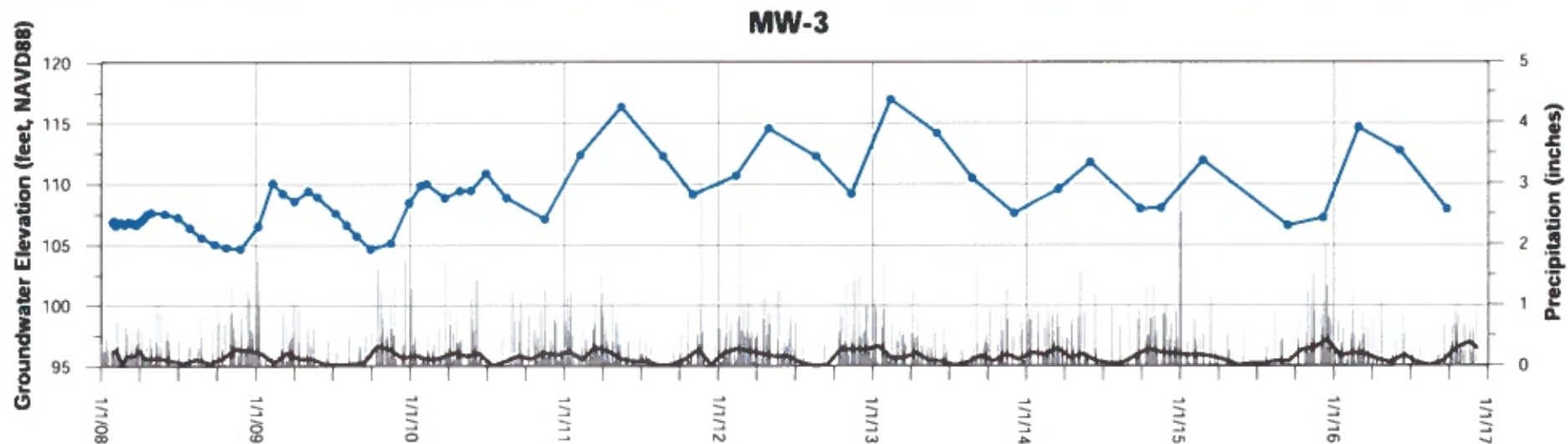
Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
 Precipitation includes rain and/or snow melt.
 MW-1 was not measured during the First and Second Quarters 2014.

FIGURE B-3
MW-1 and MW-2 Hydrographs with Precipitation
 Former J.H. Baxter Wood Treating Facility
 Arlington, Washington



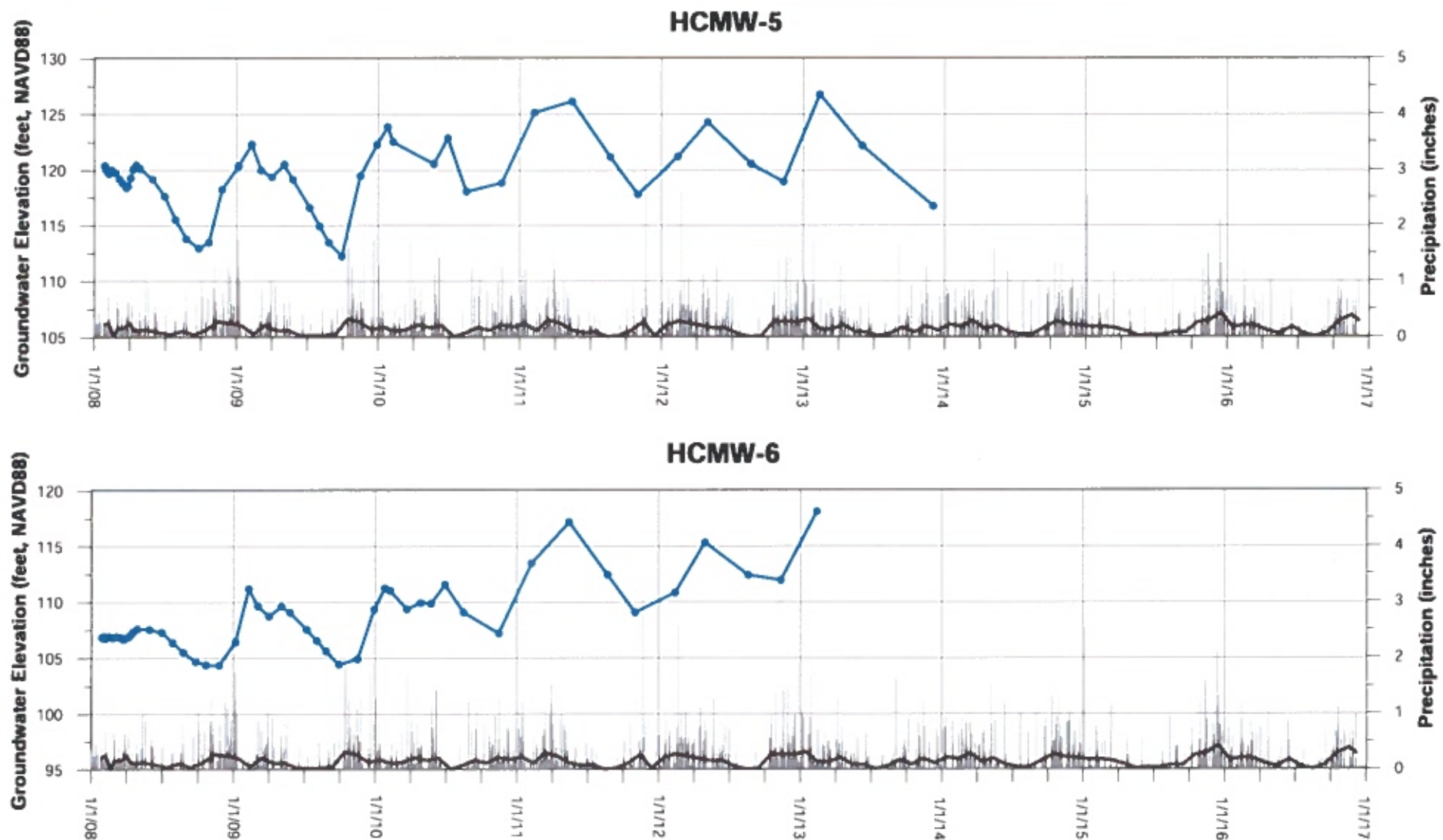
Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
 Precipitation includes rain and/or snow melt.
 MW-4 was not measured during the First Quarter 2014.

FIGURE B-4
MW-3 and MW-4 Hydrographs with Precipitation
 Former J.H. Baxter Wood Treating Facility
 Arlington, Washington



Legend:

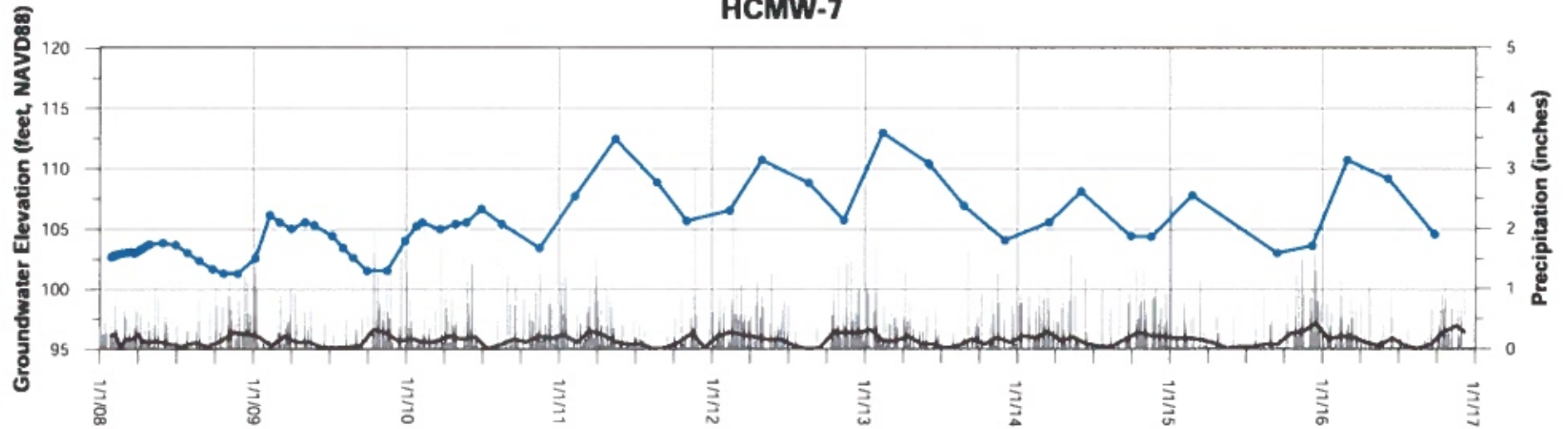
- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

Notes:

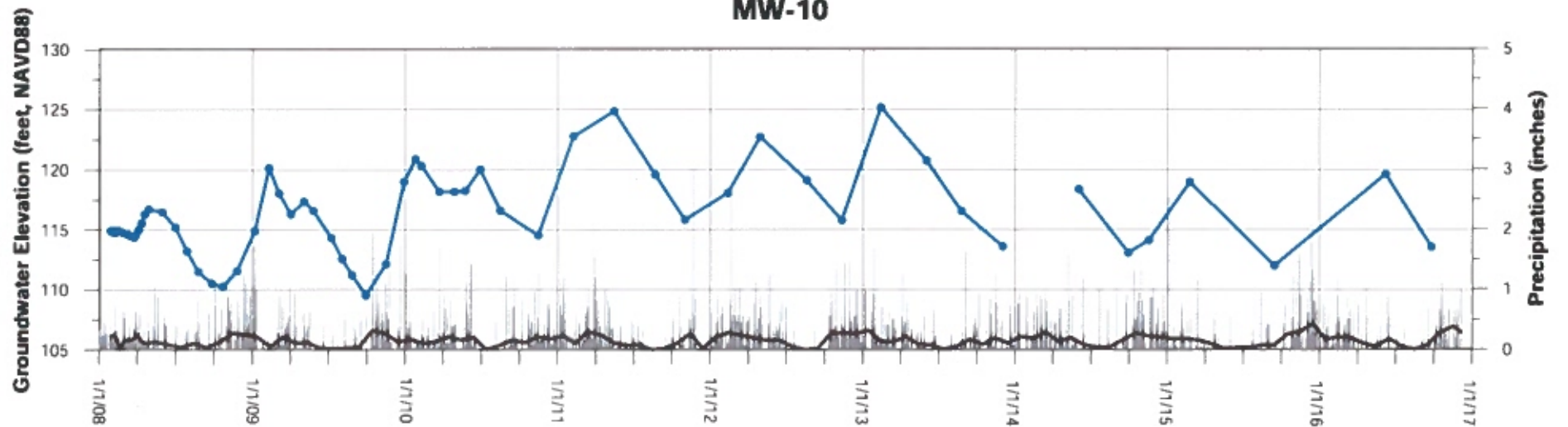
Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
 Precipitation includes rain and/or snow melt.
 HCMW-5 was not measured after Fourth Quarter 2013.
 HCMW-6 was not measured after First Quarter 2013.

FIGURE B-5
HCMW-5 and HCMW-6 Hydrographs with Precipitation
 Former J.H. Baxter Wood Treating Facility
 Arlington, Washington

HCMW-7



MW-10



Legend:

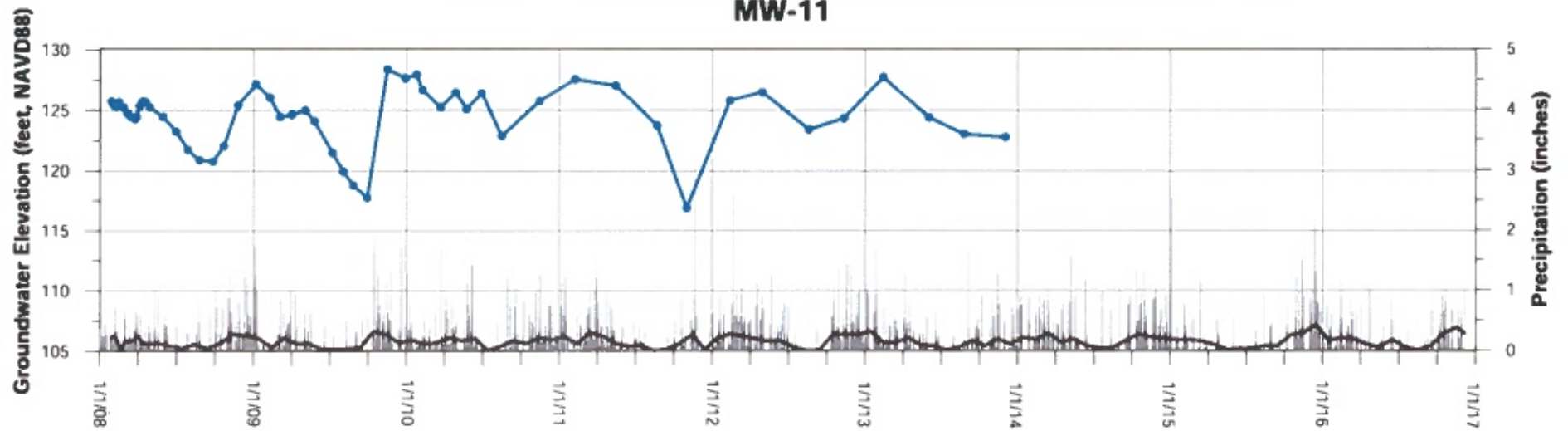
- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

Notes:

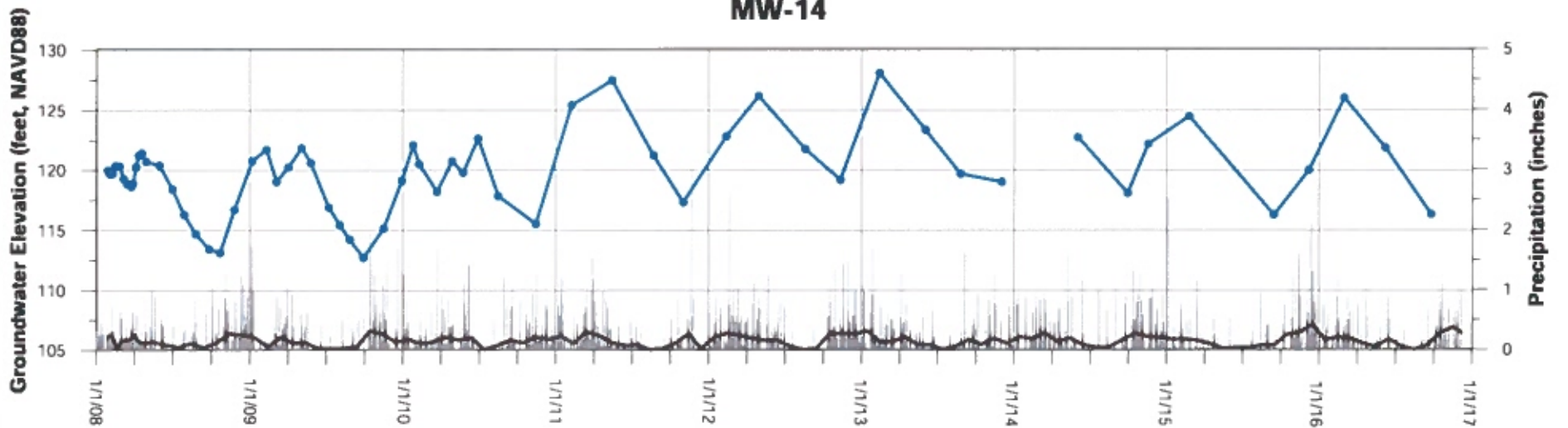
Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
 Precipitation includes rain and/or snow melt.
 MW-10 was not measured during the First Quarter 2014.

FIGURE B-6
HCMW-7 and MW-10 Hydrographs with Precipitation
 Former J.H. Baxter Wood Treating Facility
 Arlington, Washington

MW-11



MW-14



Legend:

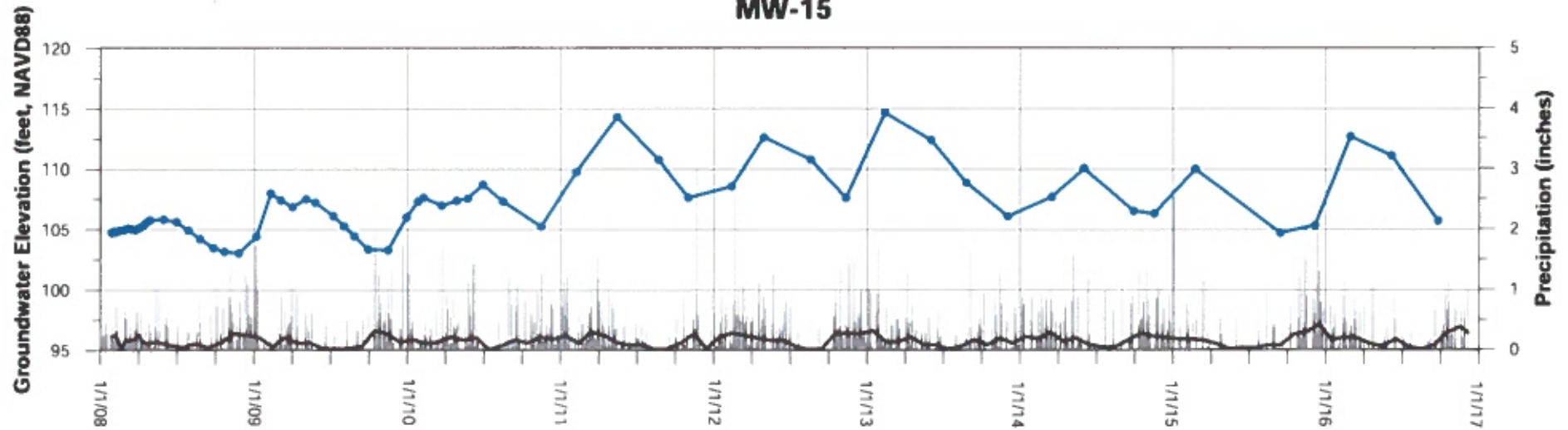
- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

Notes:

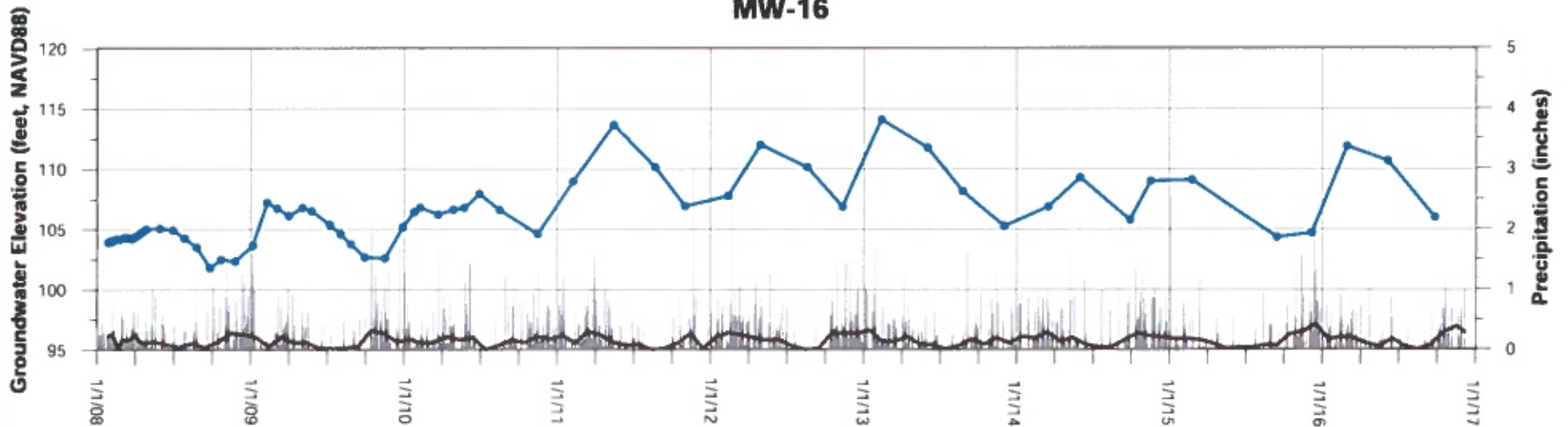
Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
 Precipitation includes rain and/or snow melt.
 MW-11 was not measured after Fourth Quarter 2013.
 MW-14 was not measured during the First Quarter 2014.

FIGURE B-7
MW-11 and MW-14 Hydrographs with Precipitation
 Former J.H. Baxter Wood Treating Facility
 Arlington, Washington

MW-15



MW-16



Legend:

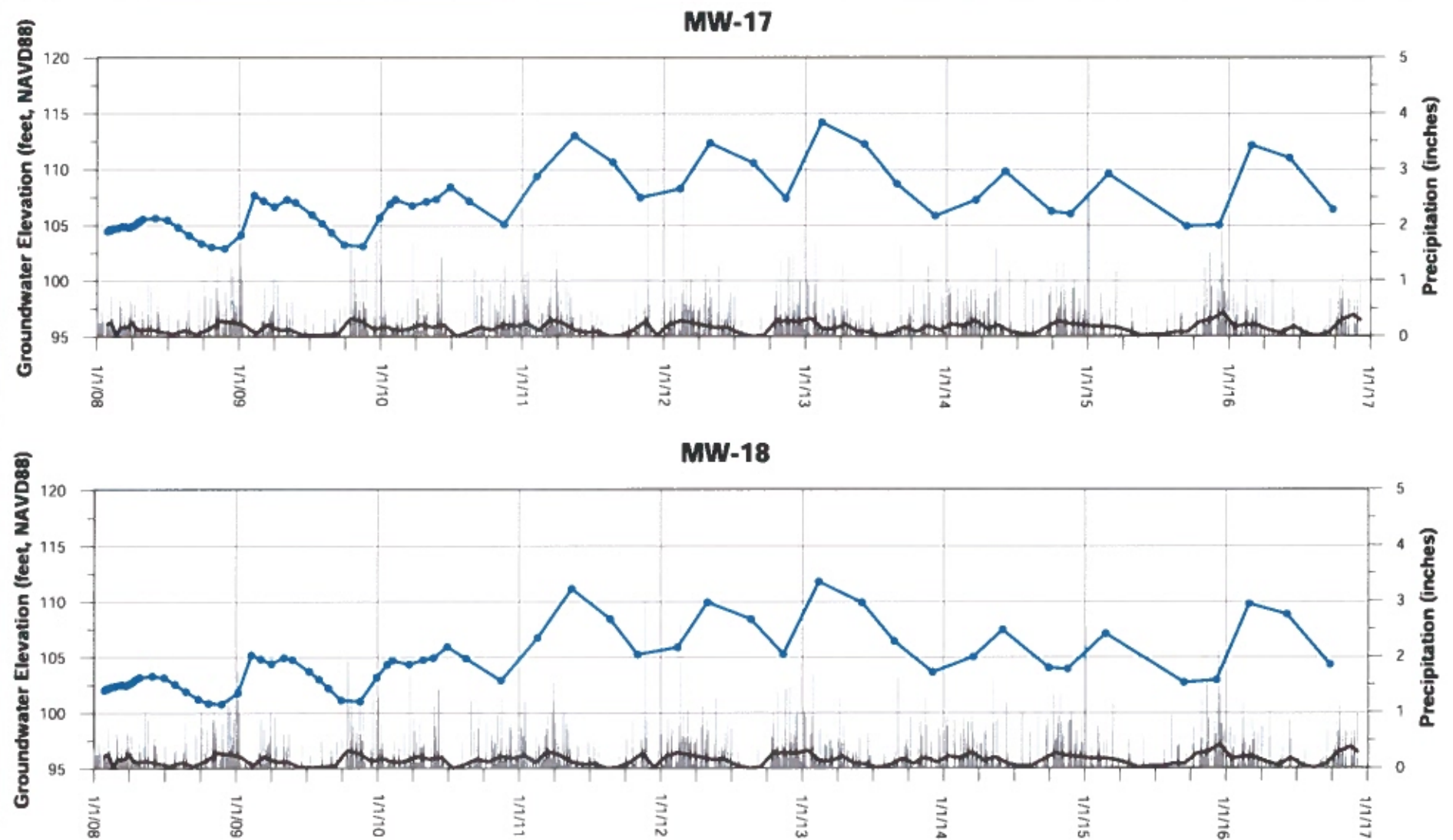
- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257. Precipitation includes rain and/or snow melt.

MW-15 measurement from the Second Quarter 2011 was suspected as incorrect and estimated by calculating the average elevation difference between MW-15 and MW-40 from the Third Quarter 2010 through the First Quarter 2011, and adding this difference to the Second Quarter 2011 groundwater elevation measured at MW-40.

FIGURE B-8
MW-15 and MW-16 Hydrographs with Precipitation
 Former J.H. Baxter Wood Treating Facility
 Arlington, Washington



Legend:

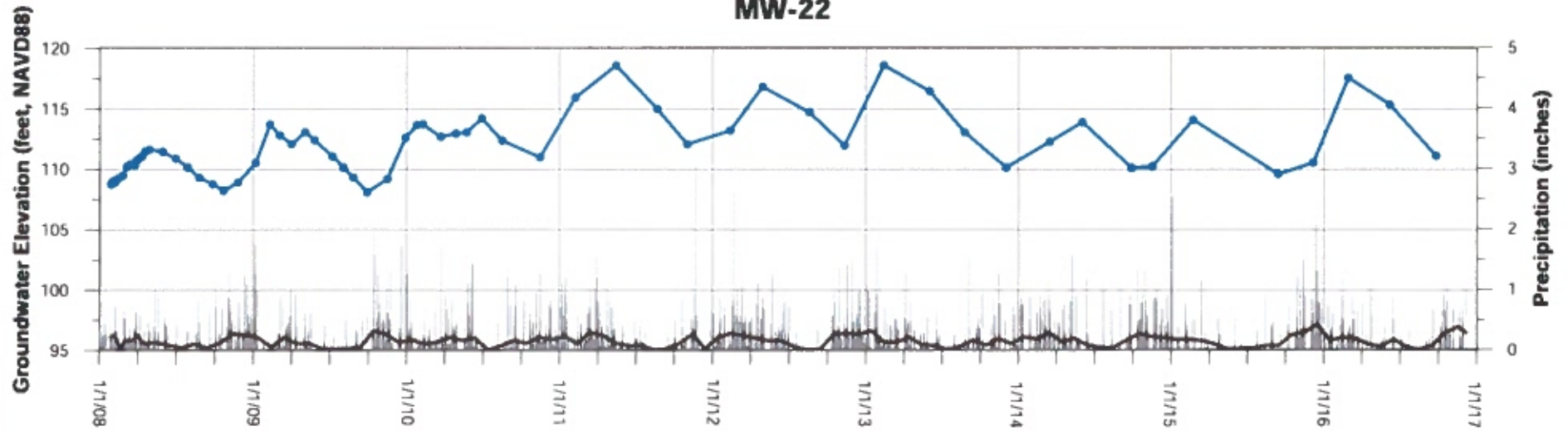
- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

Notes:

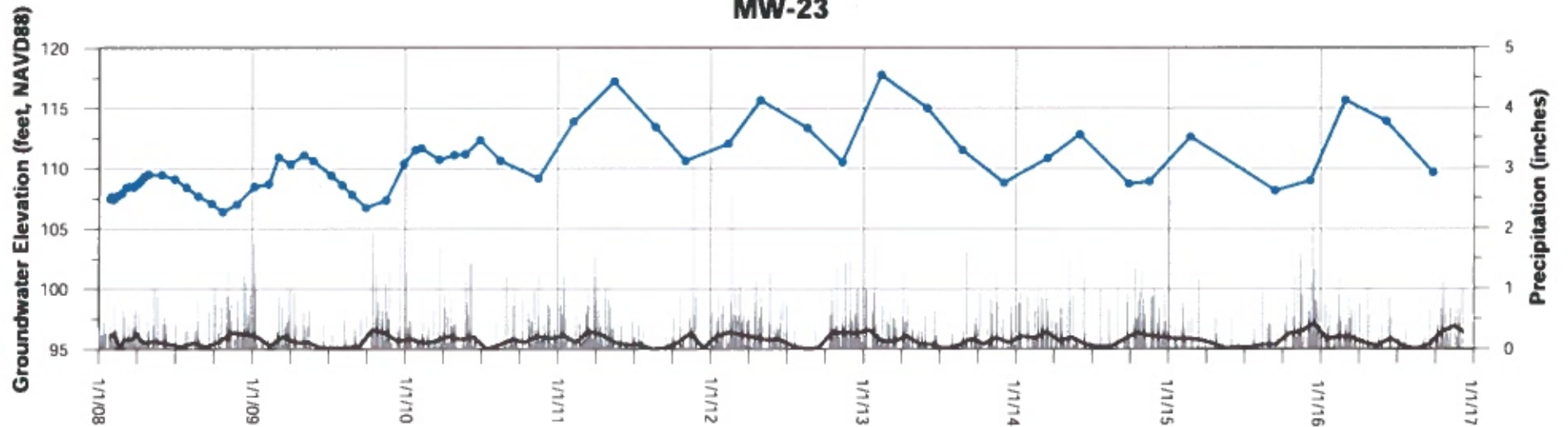
Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
Precipitation includes rain and/or snow melt.

FIGURE B-9
MW-17 and MW-18 Hydrographs with Precipitation
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

MW-22



MW-23



Legend:

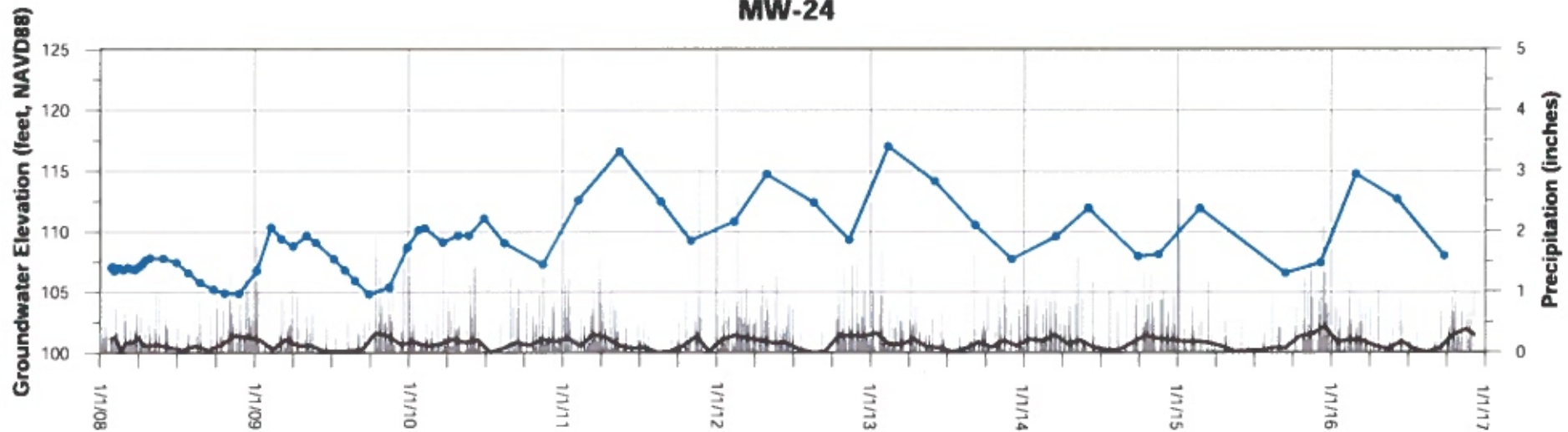
- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

Notes:

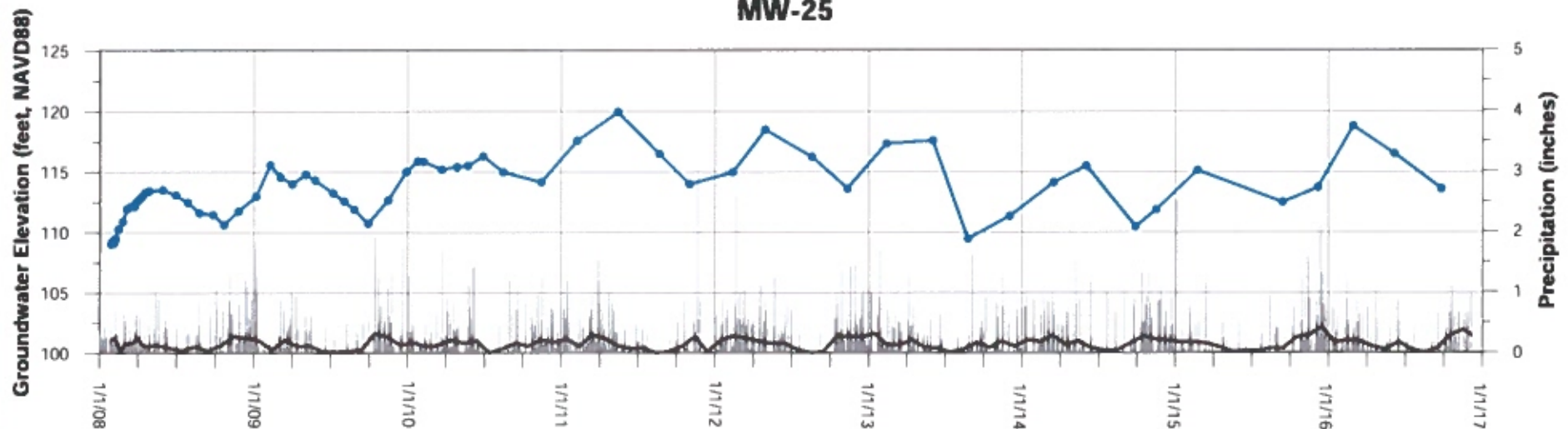
Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
Precipitation includes rain and/or snow melt.

FIGURE B-10
MW-22 and MW-23 Hydrographs with Precipitation
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

MW-24



MW-25



Legend:

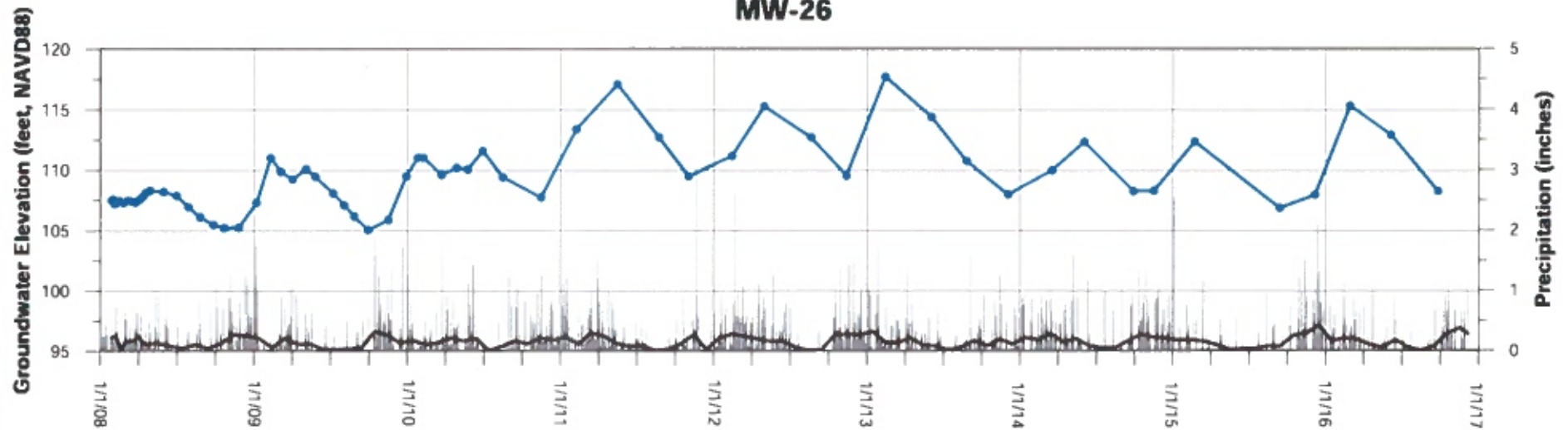
- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

Notes:

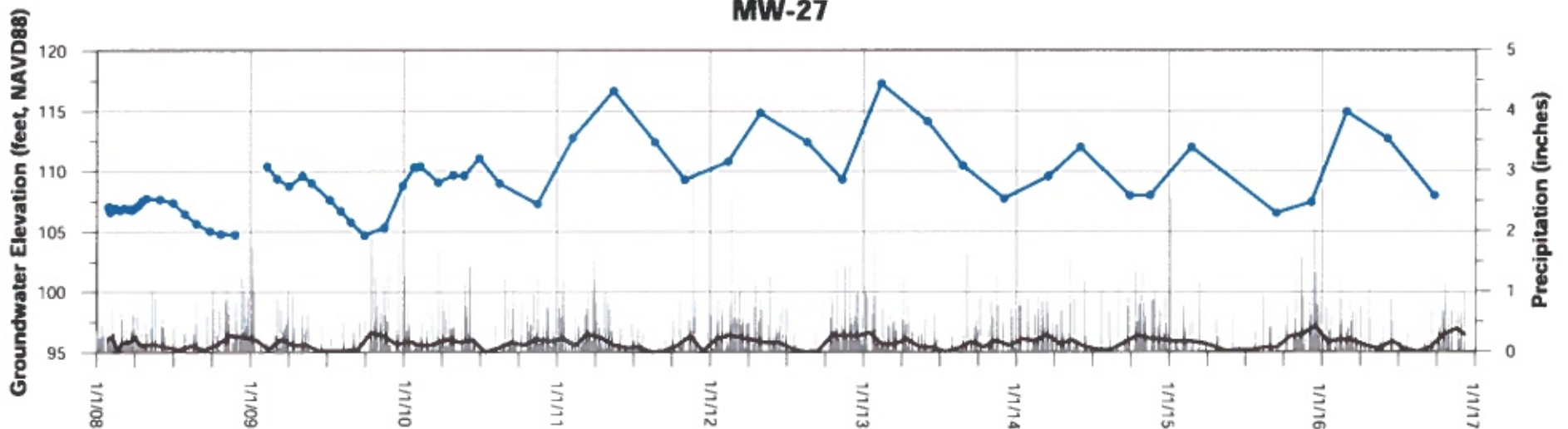
Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
Precipitation includes rain and/or snow melt.

FIGURE B-11
MW-24 and MW-25 Hydrographs with Precipitation
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

MW-26



MW-27



Legend:

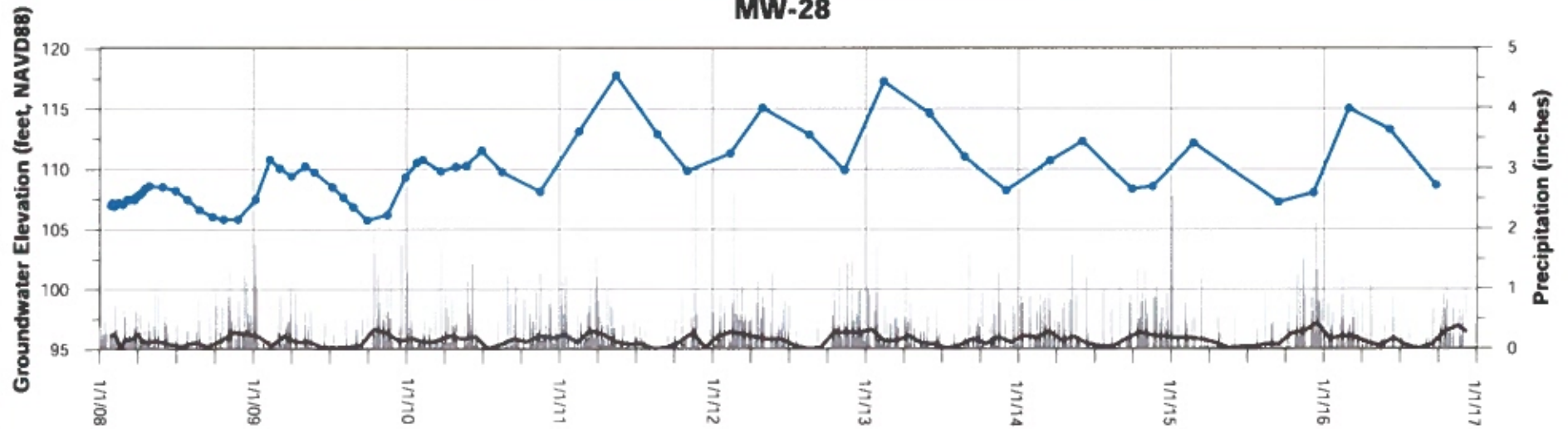
- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

Notes:

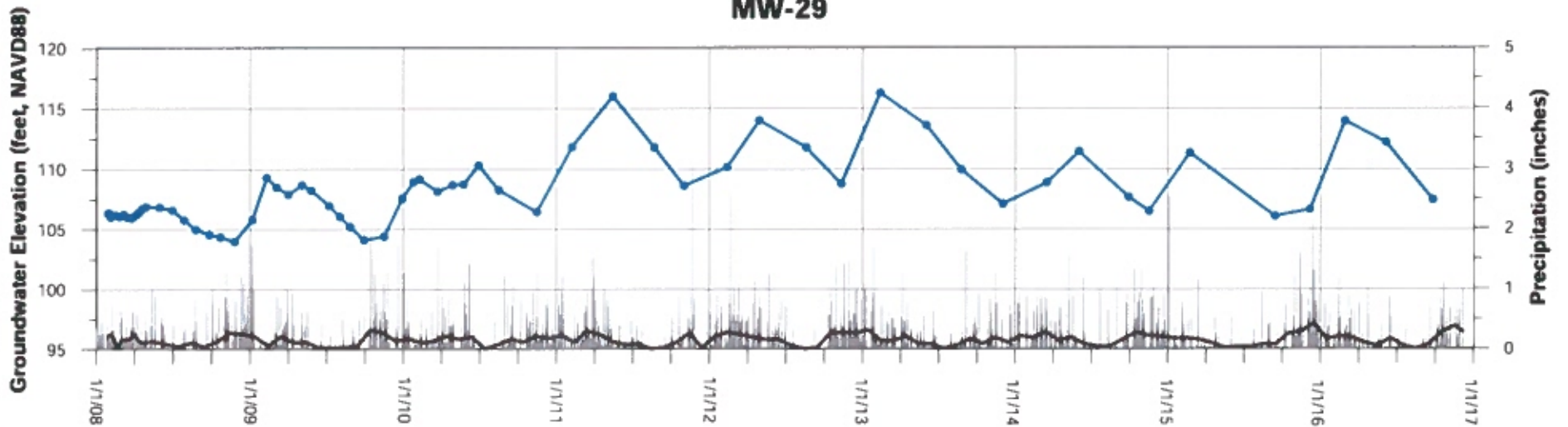
Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
 Precipitation includes rain and/or snow melt.
 MW-27 was not measured in December 2008 due to high surface water conditions surrounding the well.

FIGURE B-12
MW-26 and MW-27 Hydrographs with Precipitation
 Former J.H. Baxter Wood Treating Facility
 Arlington, Washington

MW-28



MW-29



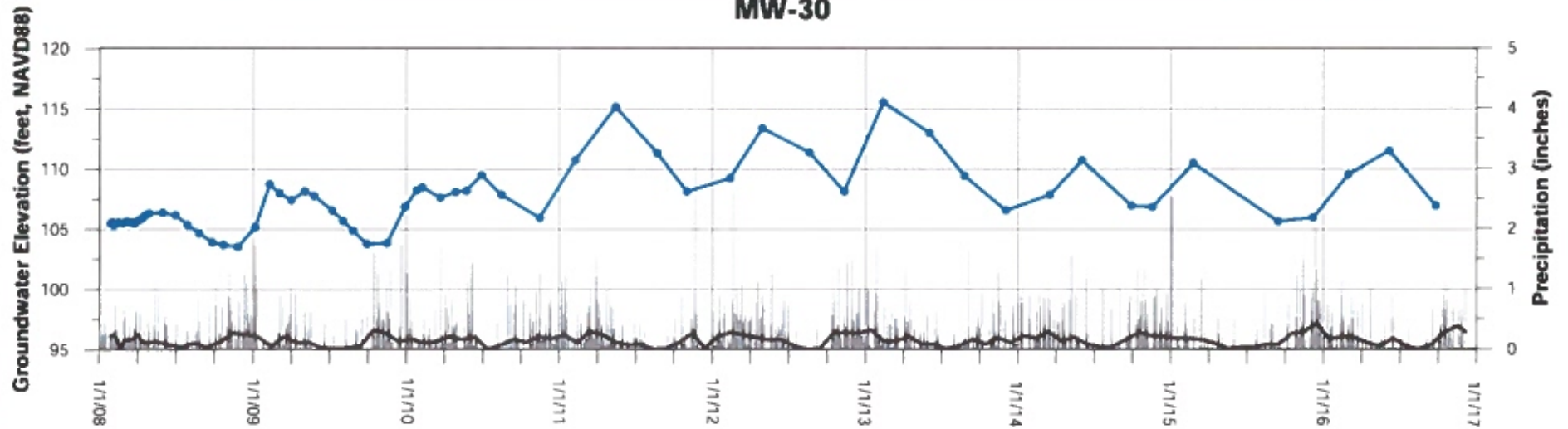
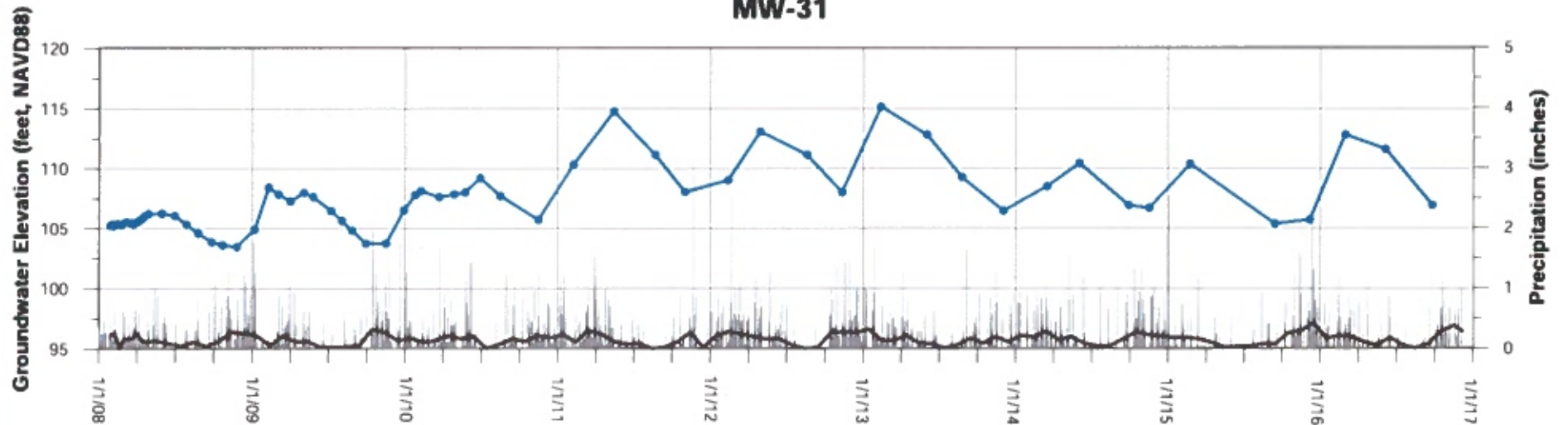
Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
Precipitation includes rain and/or snow melt.

FIGURE B-13
MW-28 and MW-29 Hydrographs with Precipitation
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

MW-30**MW-31****Legend:**

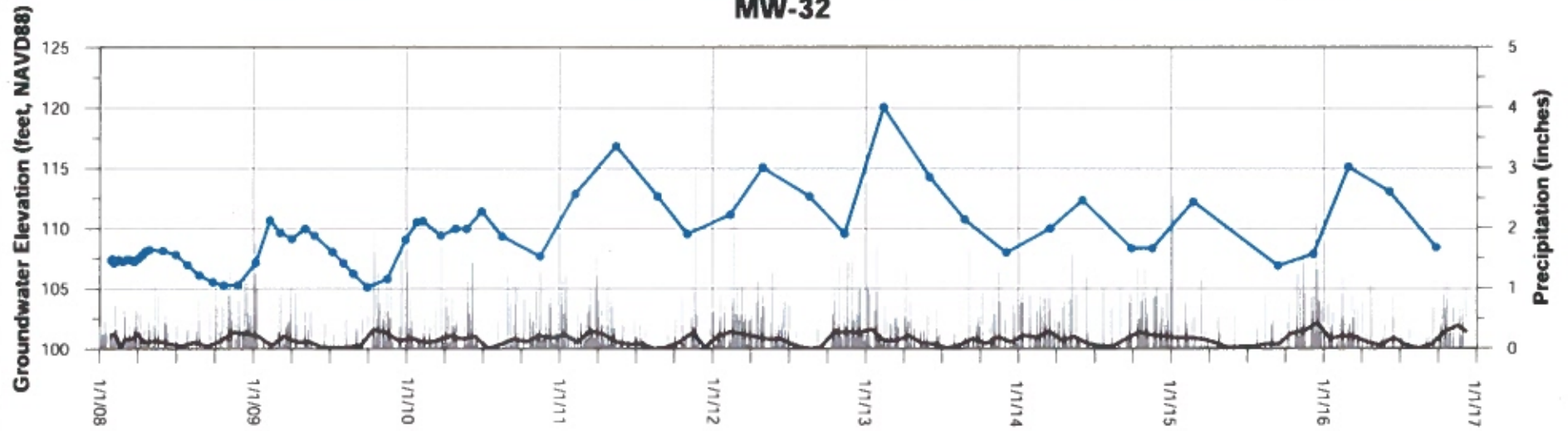
- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

Notes:

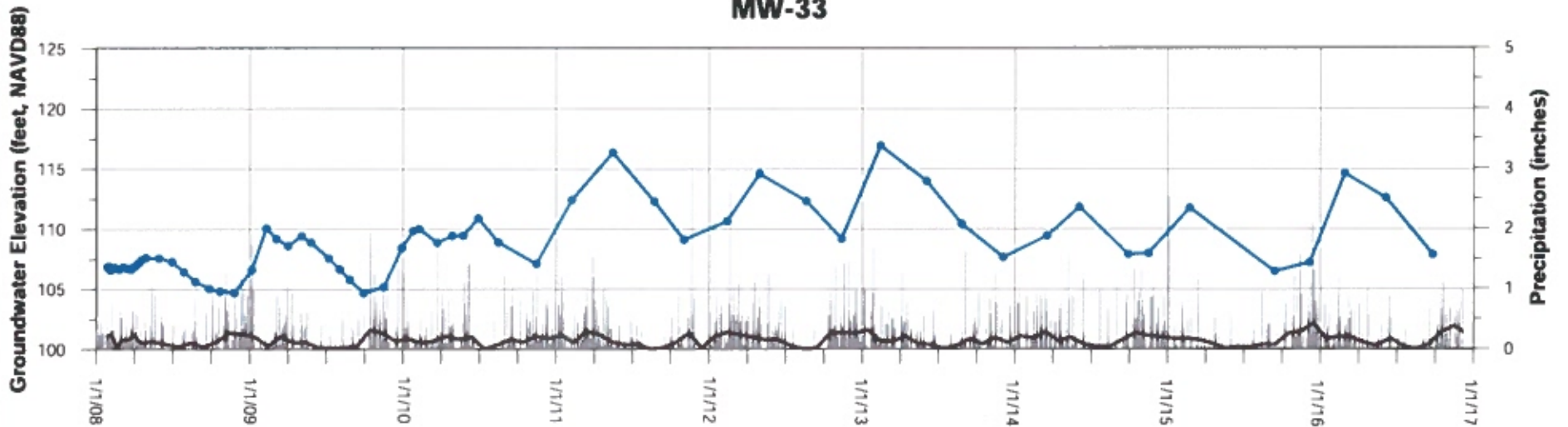
Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
Precipitation includes rain and/or snow melt.

FIGURE B-14
MW-30 and MW-31 Hydrographs with Precipitation
 Former J.H. Baxter Wood Treating Facility
 Arlington, Washington

MW-32



MW-33



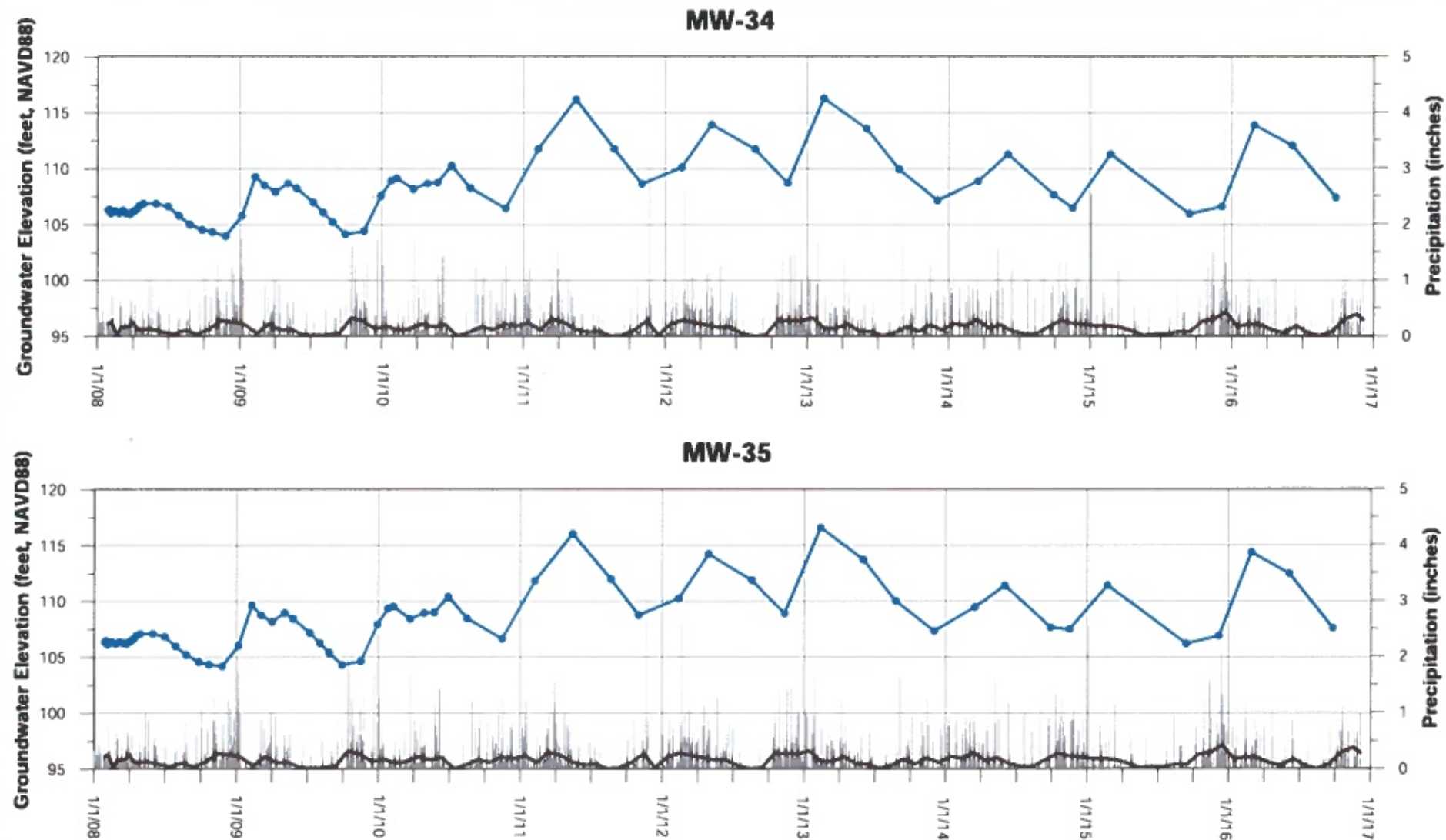
Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
Precipitation includes rain and/or snow melt.

FIGURE B-15
MW-32 and MW-33 Hydrographs with Precipitation
Former J.H. Baxter Wood Treating Facility
Arlington, Washington



Legend:

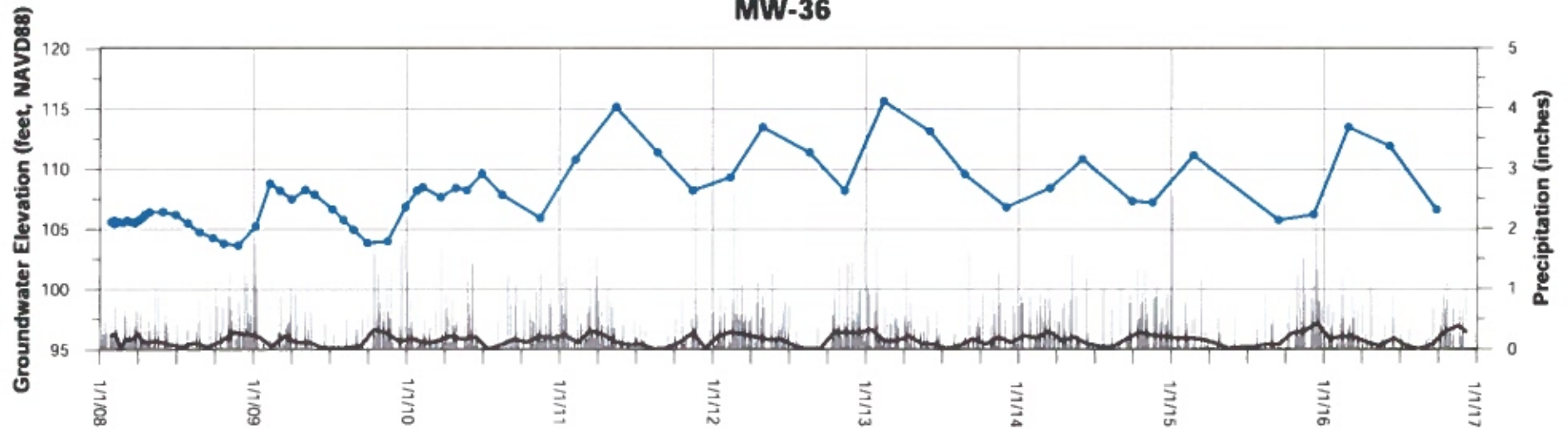
- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

Notes:

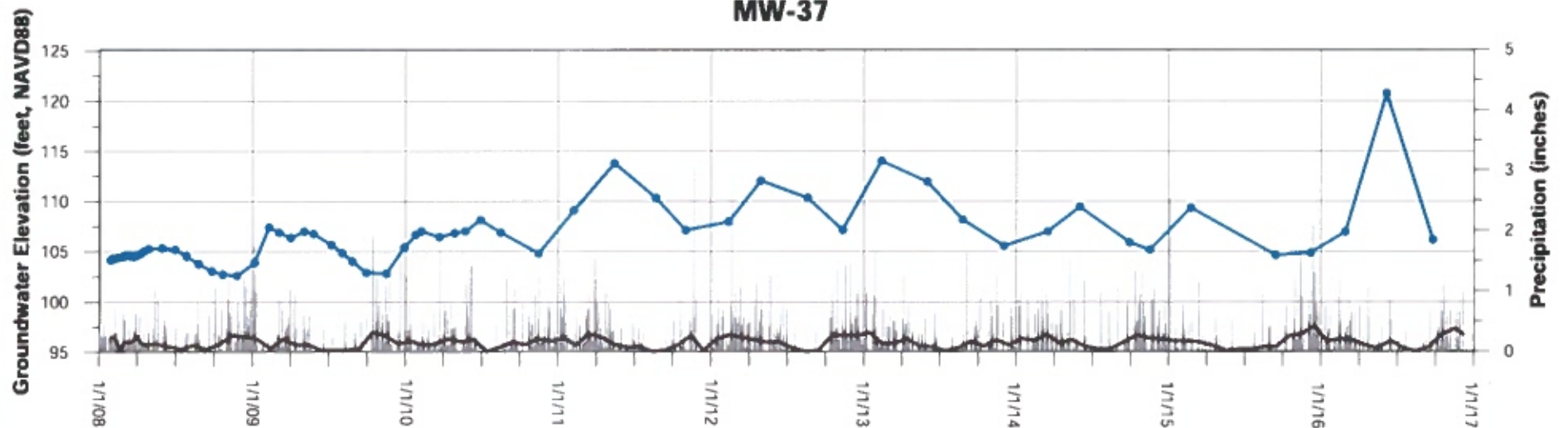
Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
Precipitation includes rain and/or snow melt.

FIGURE B-16
MW-34 and MW-35 Hydrographs with Precipitation
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

MW-36



MW-37



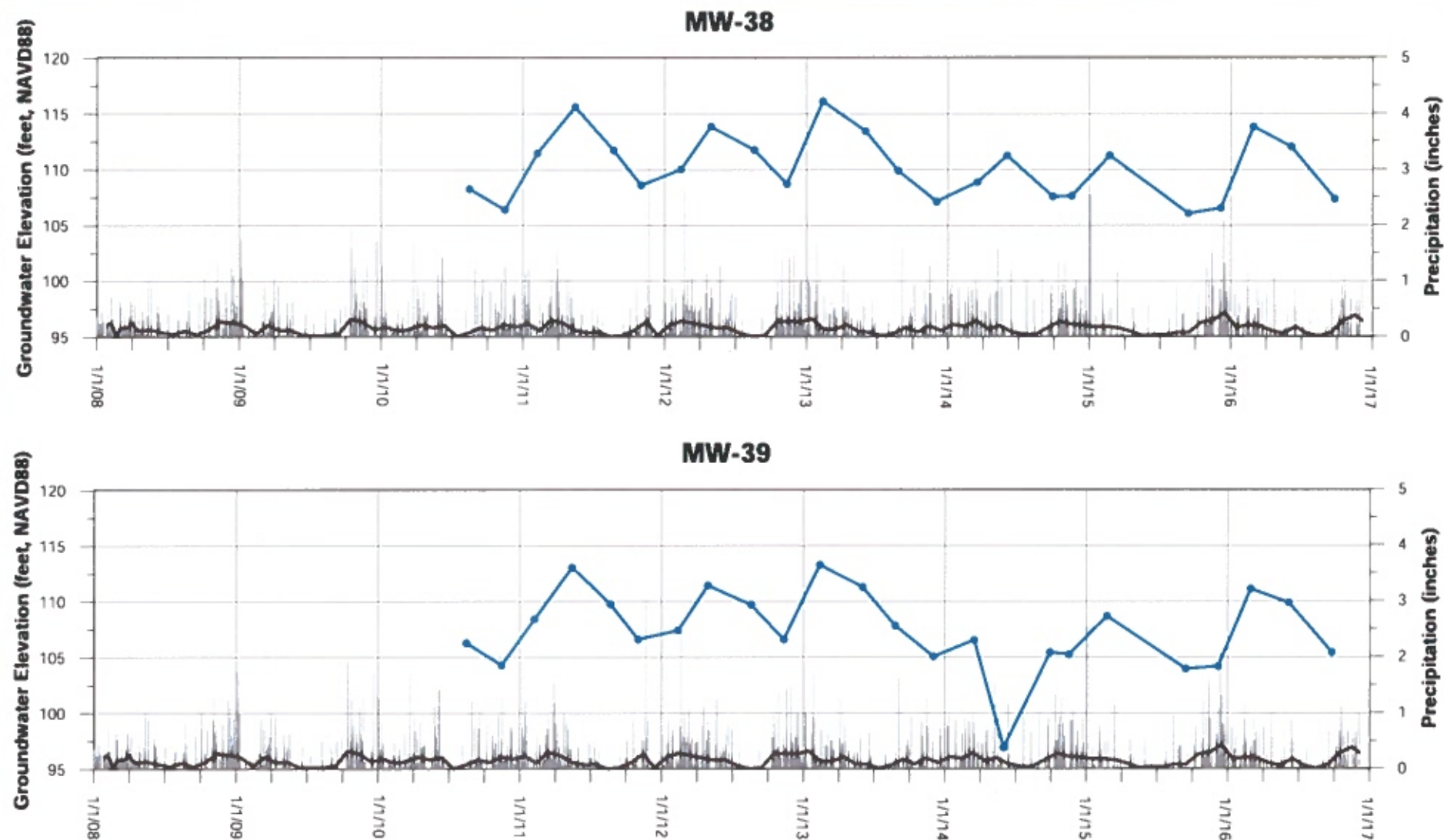
Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
 Precipitation includes rain and/or snow melt.
 Suspect measurement at MW-37 in Second Quarter 2016.

FIGURE B-17
MW-36 and MW-37 Hydrographs with Precipitation
 Former J.H. Baxter Wood Treating Facility
 Arlington, Washington



Legend:

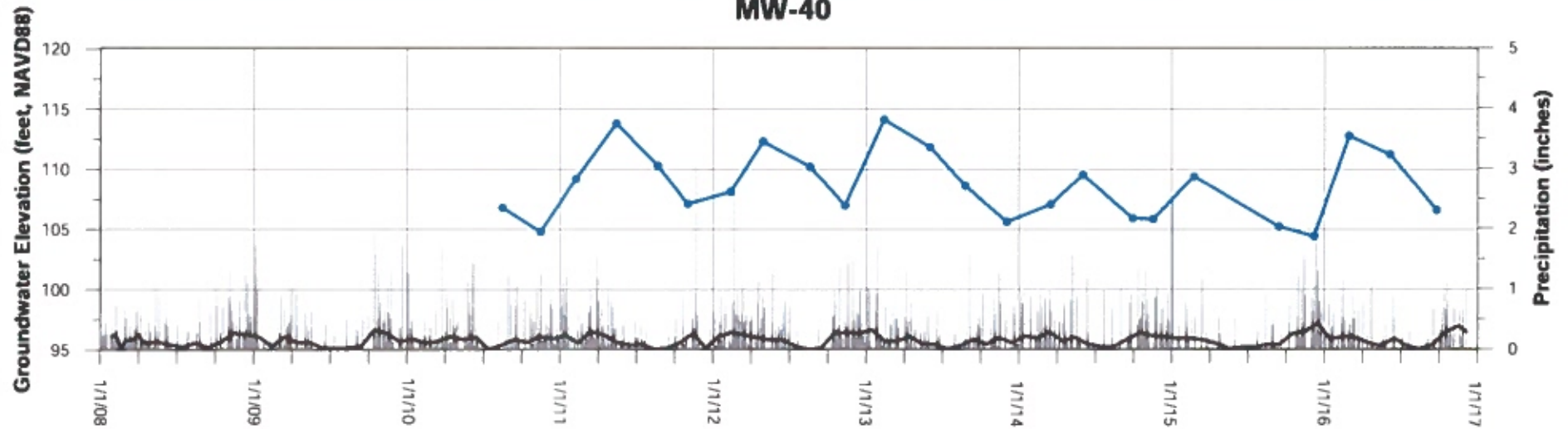
- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

Notes:

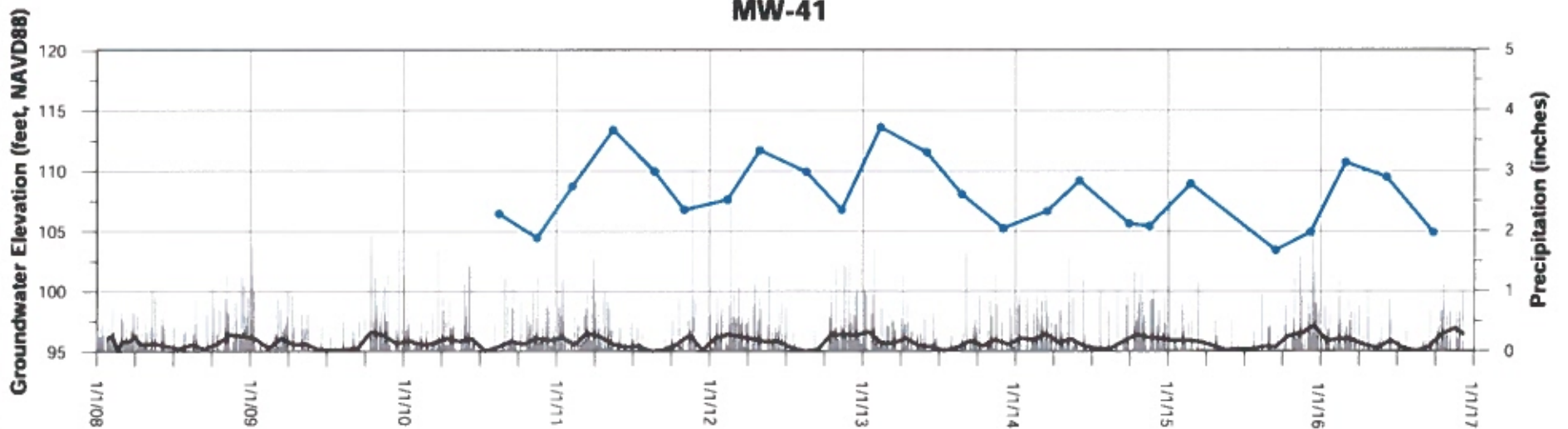
Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
 Precipitation includes rain and/or snow melt.
 MW-38 and MW-39 constructed in July 2010.
 MW-39 measurement from Second Quarter 2014 is suspected to be a field error and is 10 feet lower than the expected value.

FIGURE B-18
MW-38 and MW-39 Hydrographs with Precipitation
 Former J.H. Baxter Wood Treating Facility
 Arlington, Washington

MW-40



MW-41



Legend:

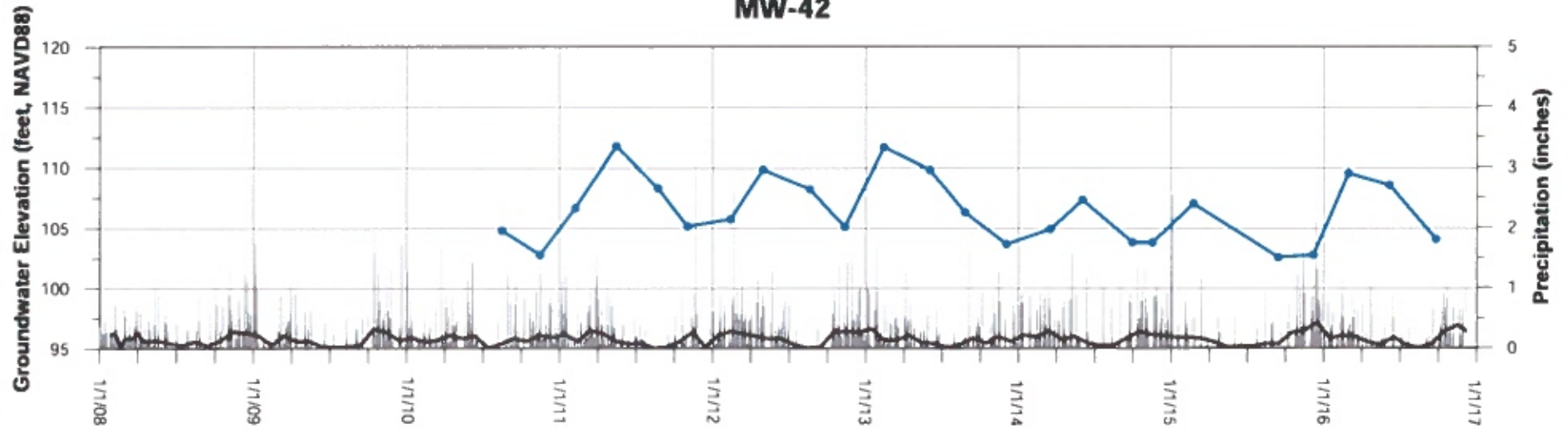
- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

Notes:

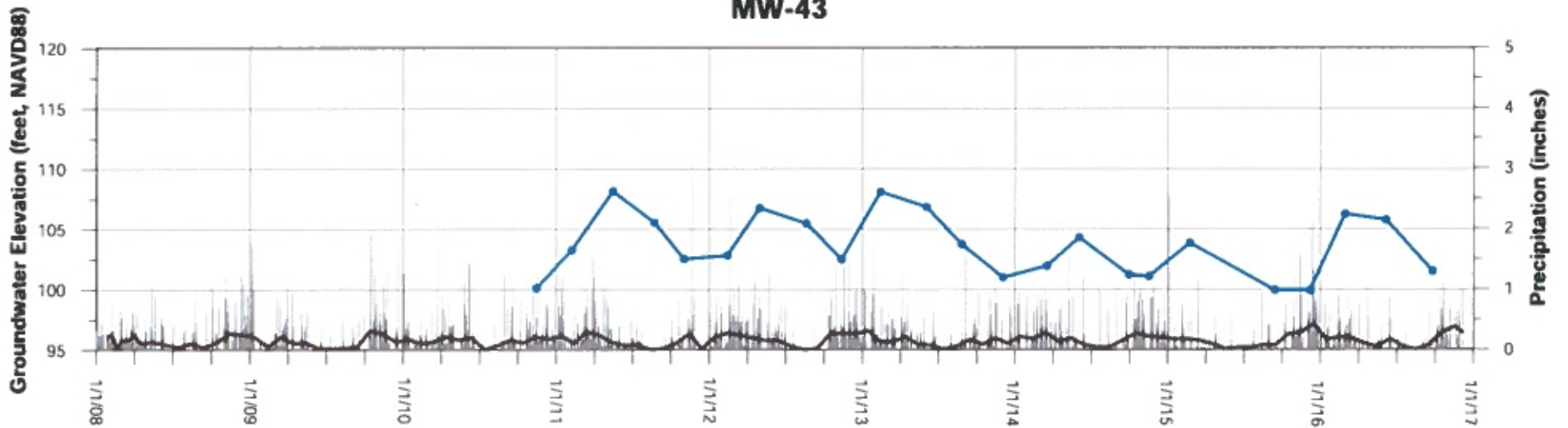
Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
Precipitation includes rain and/or snow melt.
MW-40 and MW-41 constructed in July 2010.

FIGURE B-19
MW-40 and MW-41 Hydrographs with Precipitation
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

MW-42



MW-43



Legend:

- Groundwater Elevation
- Daily Precipitation
- Average Monthly Precipitation

Notes:

Precipitation data source is the National Climatic Data Center (NCDC) Arlington, Washington Station 450257.
 Precipitation includes rain and/or snow melt.
 MW-42 constructed in July 2010 and MW-43 constructed in October 2010.

FIGURE B-20
MW-42 and MW-43 Hydrographs with Precipitation
 Former J.H. Baxter Wood Treating Facility
 Arlington, Washington

Appendix C

Groundwater Contour Maps

January 28, 2008
Groundwater Elevation Contour Map
Baseline Elevations
 Former J.H. Baxter Wood Treating Facility
 Arlington, Washington

○ Monitoring Well Identification and
MW-15 Groundwater Elevation (ft.)
104.72

106 Groundwater Elevation Contour (ft.)

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Elevation at MW-23 on 1/28/08 was raised by 1 ft. due to suspected error in field recording.



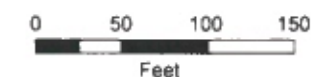
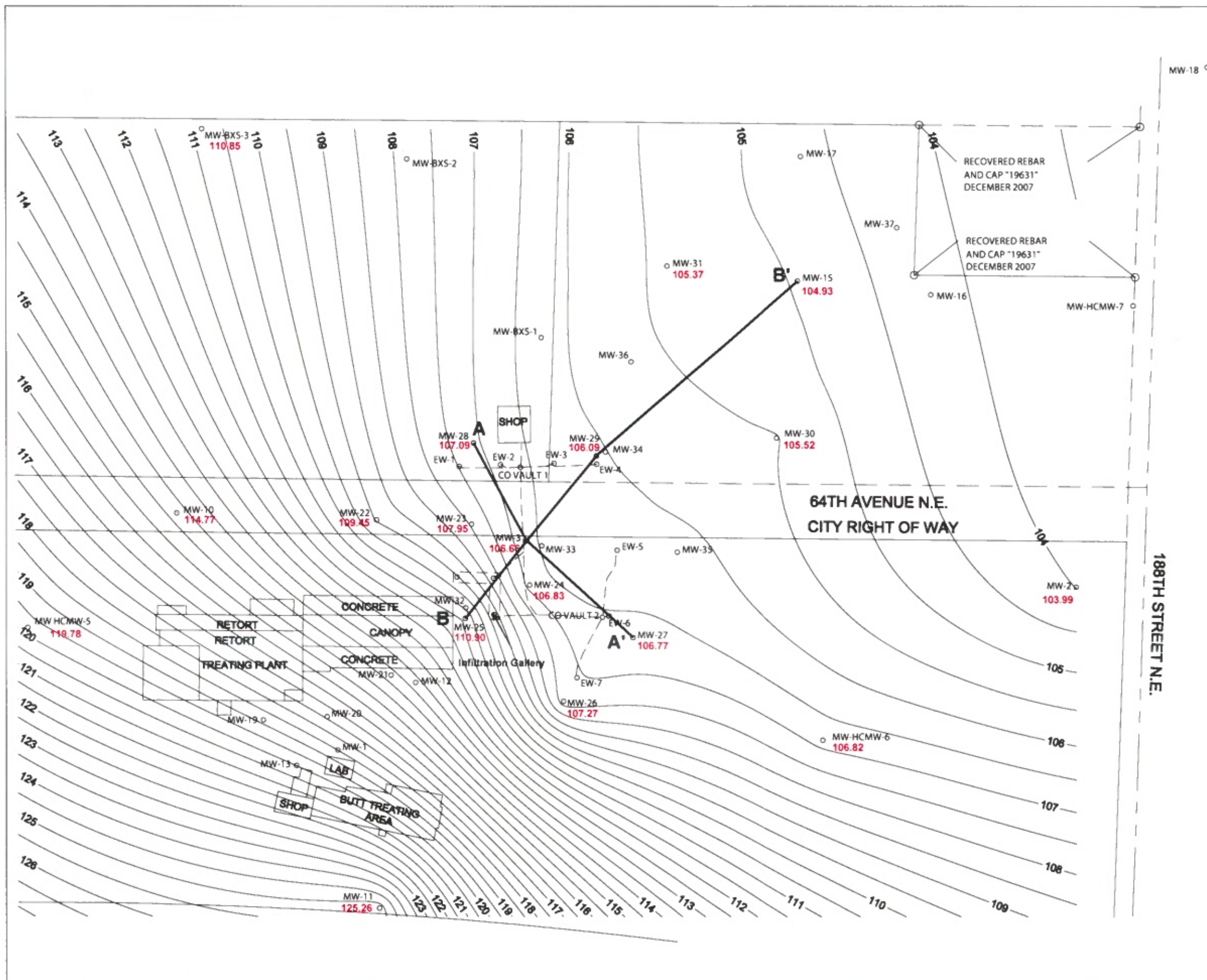
GSI
Water Solutions, Inc.

Groundwater Elevation Contour Map
Baseline Elevations
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

○ MW-15 Monitoring Well Identification and Groundwater Elevation (ft.)

106 Groundwater Elevation Contour (ft.)

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.



MAP NOTES:
Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-3

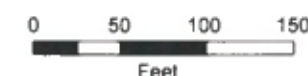
March 28, 2008
Groundwater Elevation Contour Map
Baseline Elevations
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

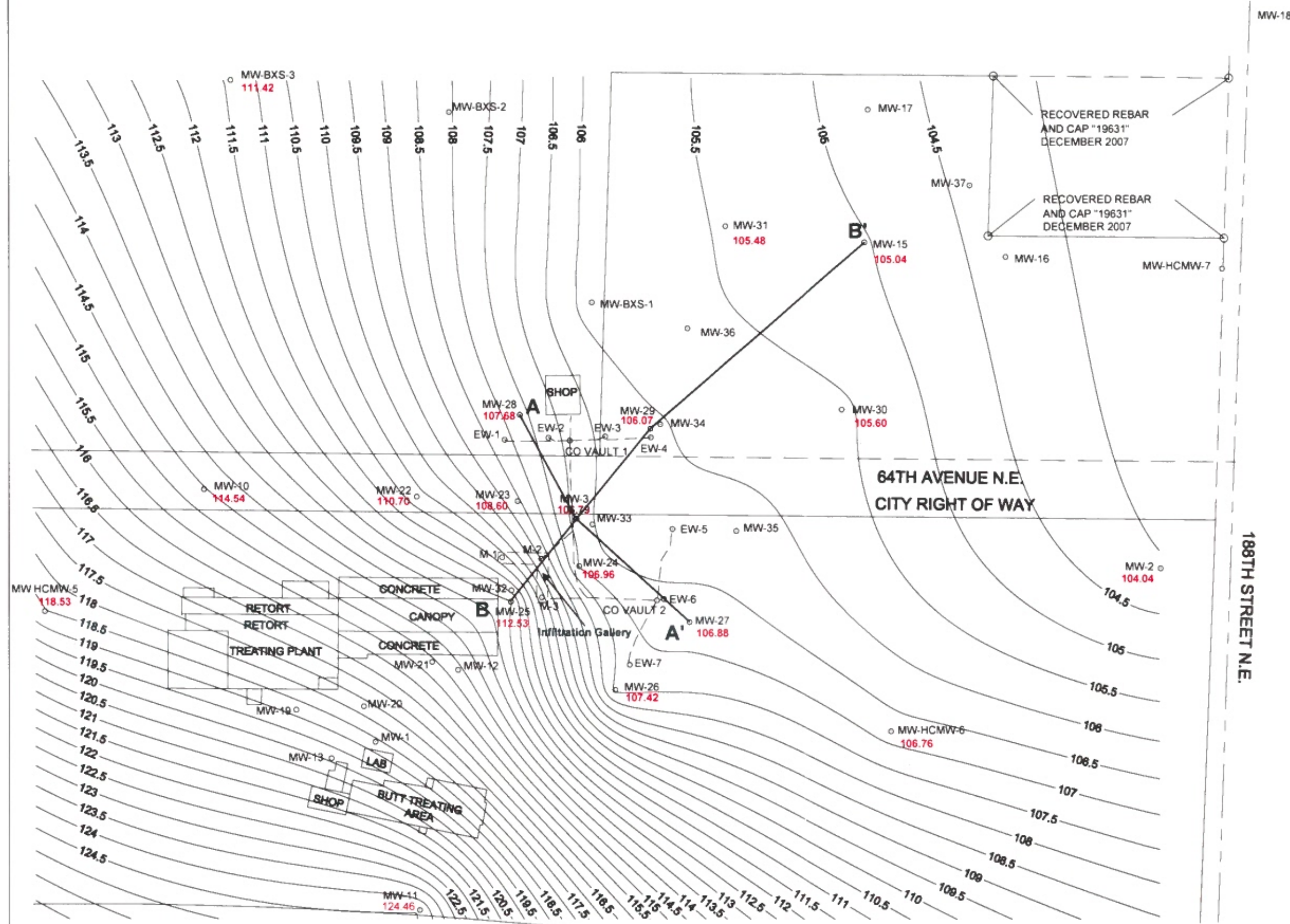
- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15 104.72
- 106 Groundwater Elevation Contour (ft.)

NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.



MAP NOTES:
Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-4

April 28, 2008
Groundwater Elevation Contour Map
Baseline Elevations
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

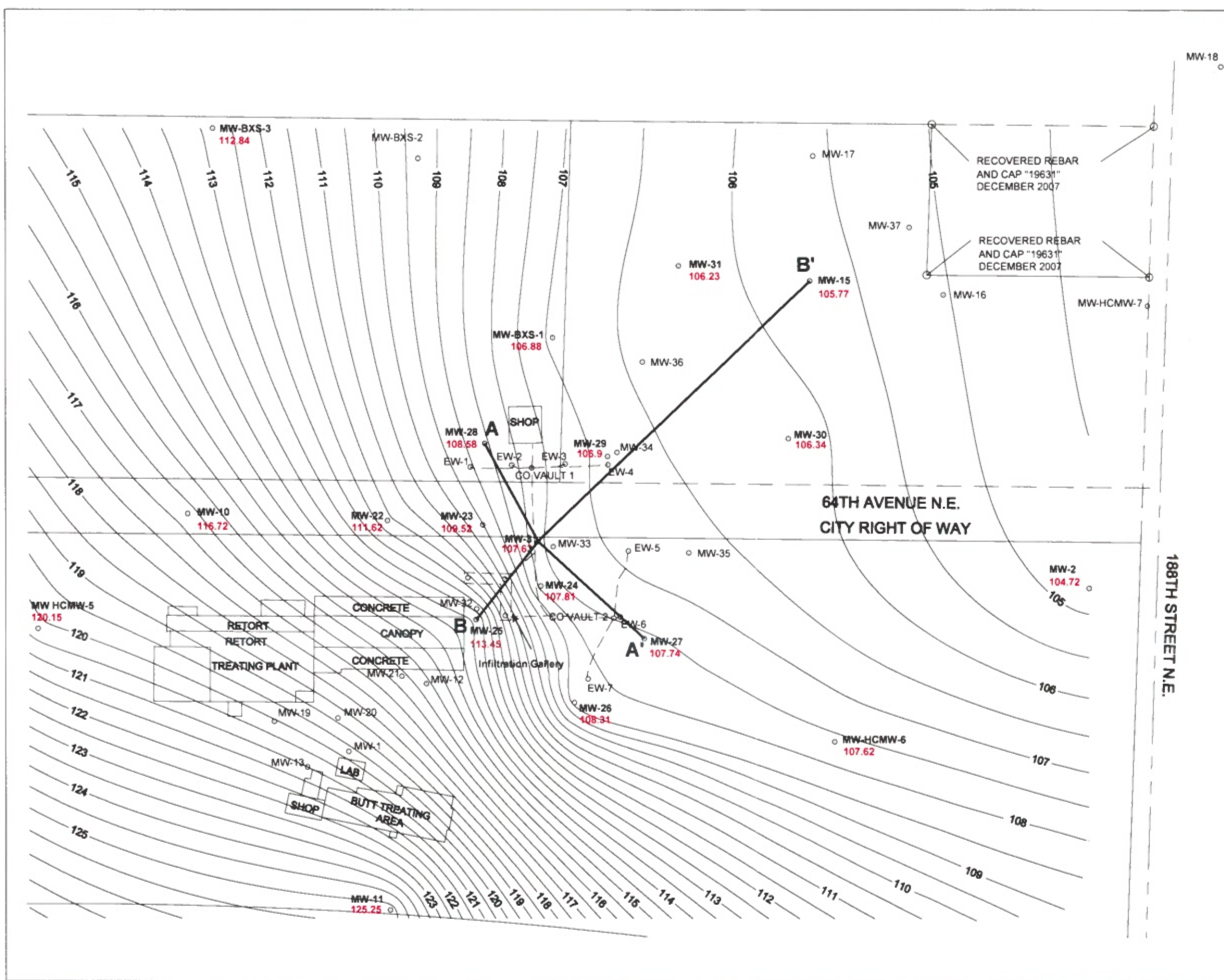
- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15 104.72
- Groundwater Elevation Contour (ft.)

NOTES:

- All elevations exist in NAVD88.
- Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
- Bold well identifications and groundwater levels indicate the points that were used to generate groundwater elevation contours.



MAP NOTES:
Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-5

May 30, 2008

Groundwater Elevation Contour Map
Baseline Elevations

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

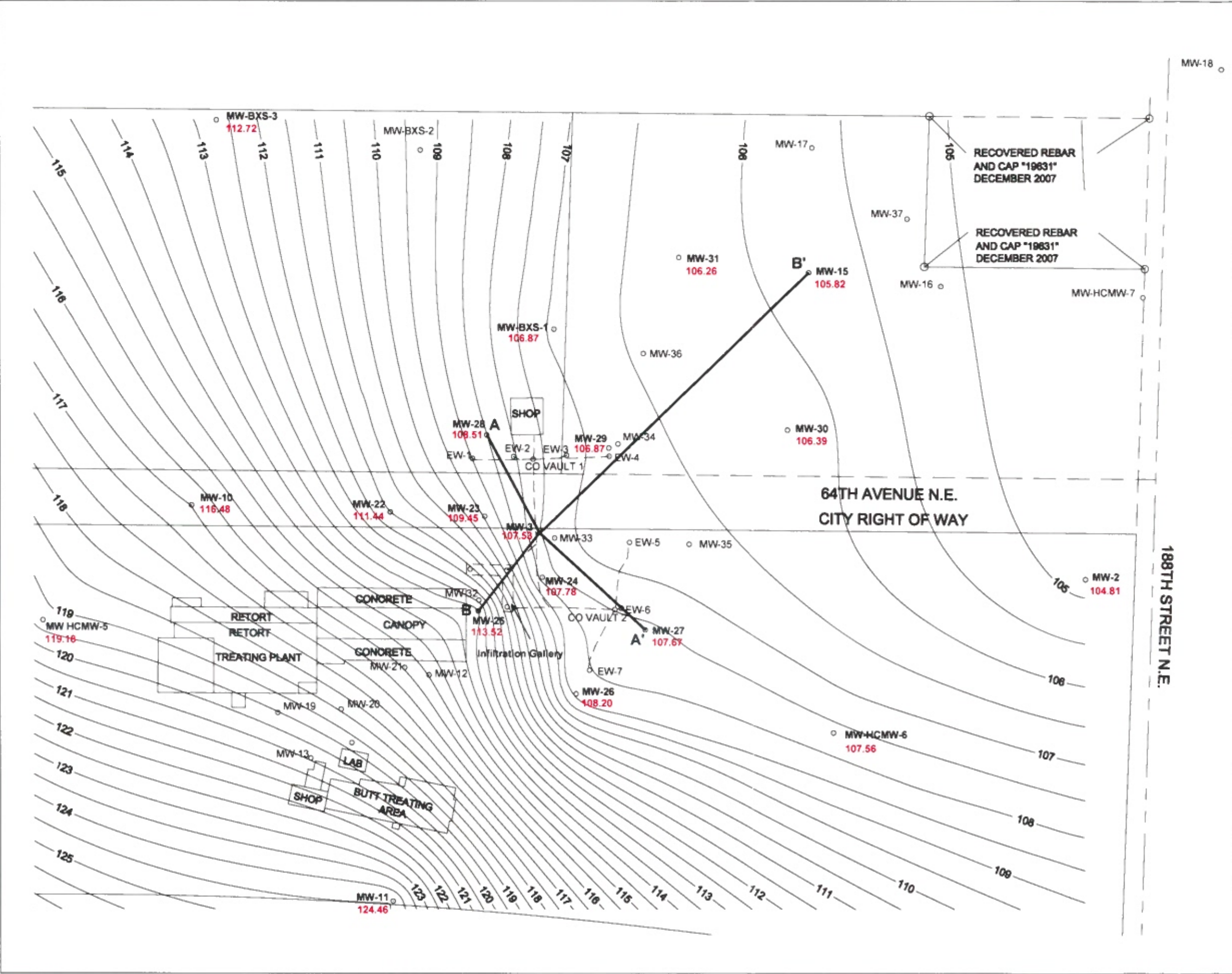
- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15 104.72
- 106 Groundwater Elevation Contour (ft.)

NOTES:

- All elevations exist in NAVD88.
- Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
- Bold well identifications and groundwater levels indicate the points that were used to generate groundwater elevation contours.



MAP NOTES:
Data Sources: Geomatrix, Appendix C, Stand Alone Data Document (2014), December 2014



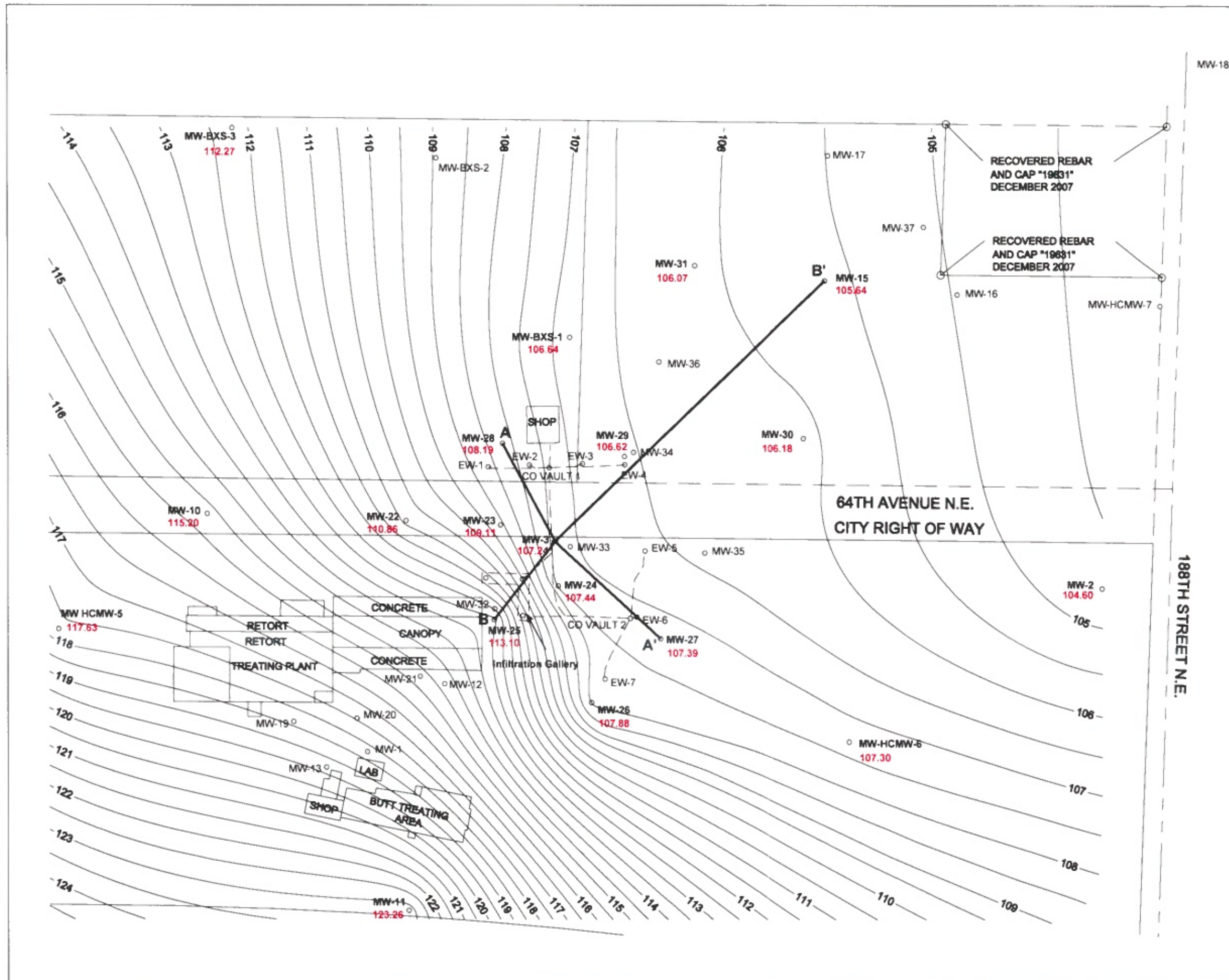
Groundwater Elevation Contour Map
Baseline Elevations
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

○ Monitoring Well Identification and Groundwater Elevation (ft.)

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Bold well identifications and groundwater levels indicate the points that were used to generate groundwater elevation contours.



MAP NOTES:
Data Sources: Geomatix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-7

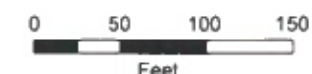
July 28, 2008
Groundwater Elevation Contour Map
Baseline Elevations
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

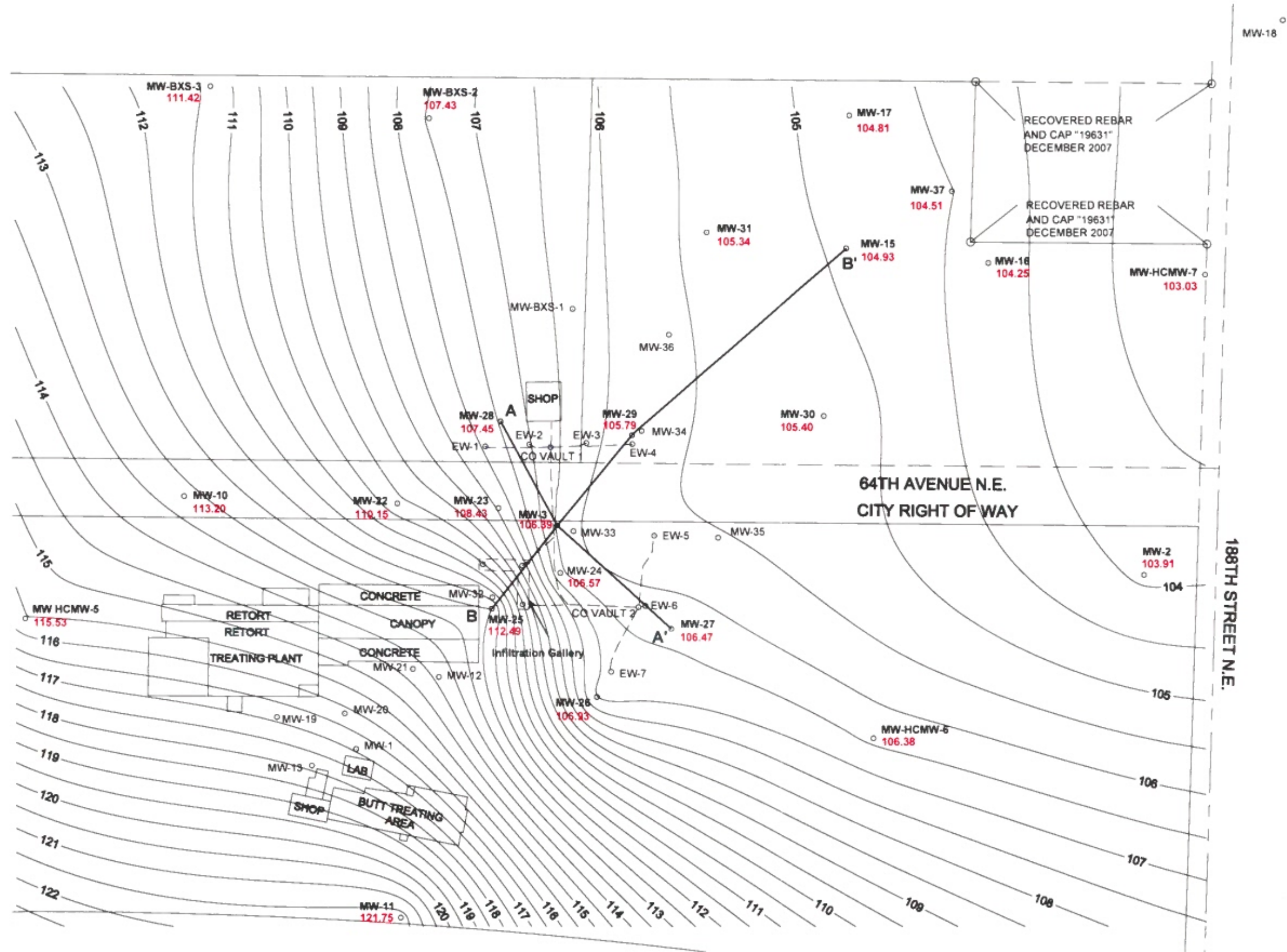
- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15 104.72
- 106 Groundwater Elevation Contour (ft.)

NOTES:

- All elevations exist in NAVD88.
- Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
- Bold well identifications and groundwater levels indicate the points that were used to generate groundwater elevation contours.



MAP NOTES:
Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-8

AUGUST 25, 2008

Groundwater Elevation Contour Map Baseline Elevations Former J.H. Baxter Wood Treating Facility Arlington, Washington

LEGEND

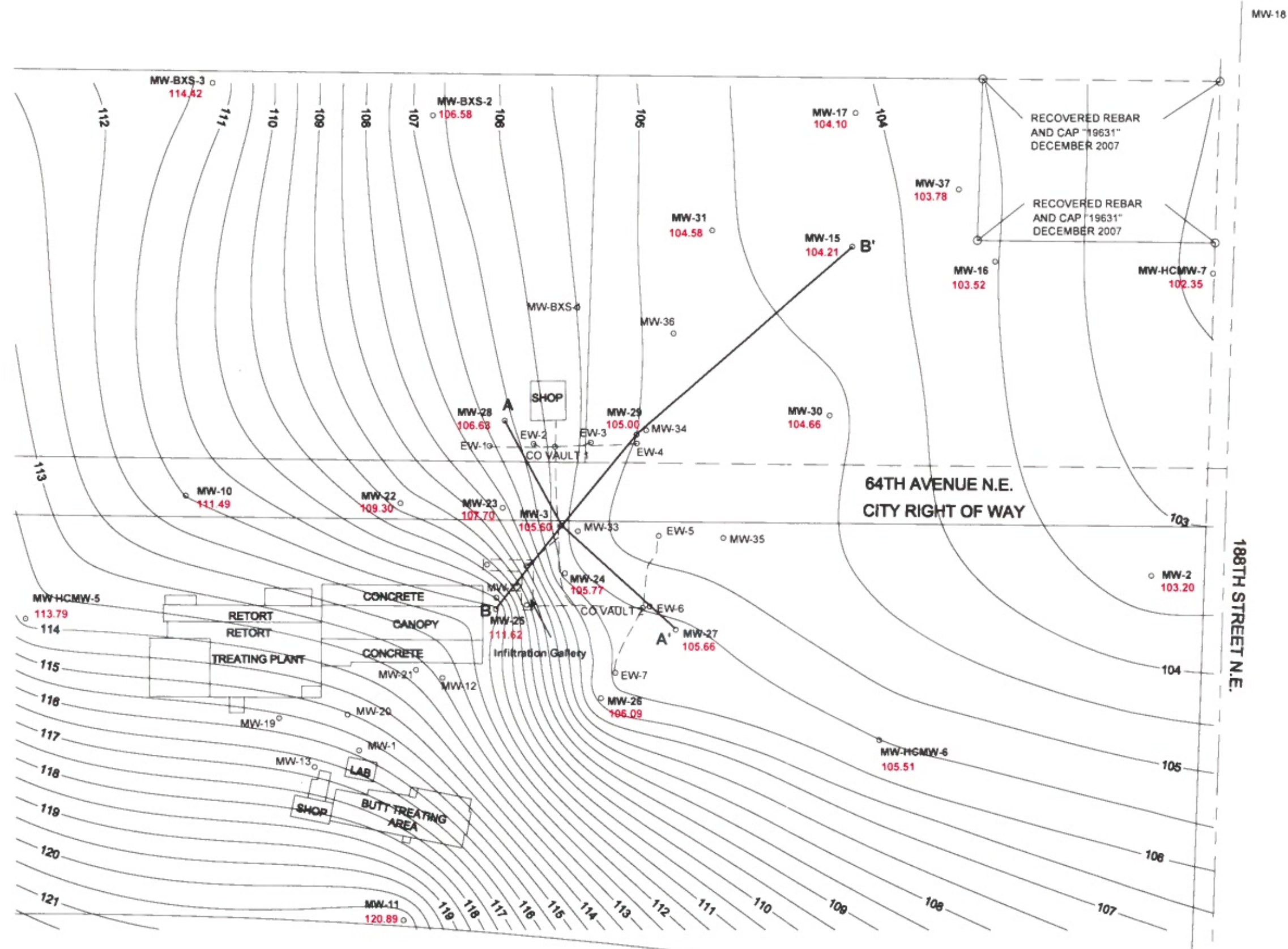
- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15**
104.72
- 106 — Groundwater Elevation Contour (ft.)

NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Bold well identifications and groundwater levels indicate the points that were used to generate groundwater elevation contours.



MAP NOTES:
Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-9

SEPTEMBER 26, 2008

**Groundwater Elevation Contour Map
Baseline Elevations**

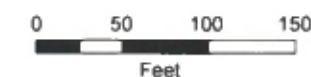
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- MW-15 Monitoring Well Identification and Groundwater Elevation (ft.)
104.72
106 Groundwater Elevation Contour (ft.)

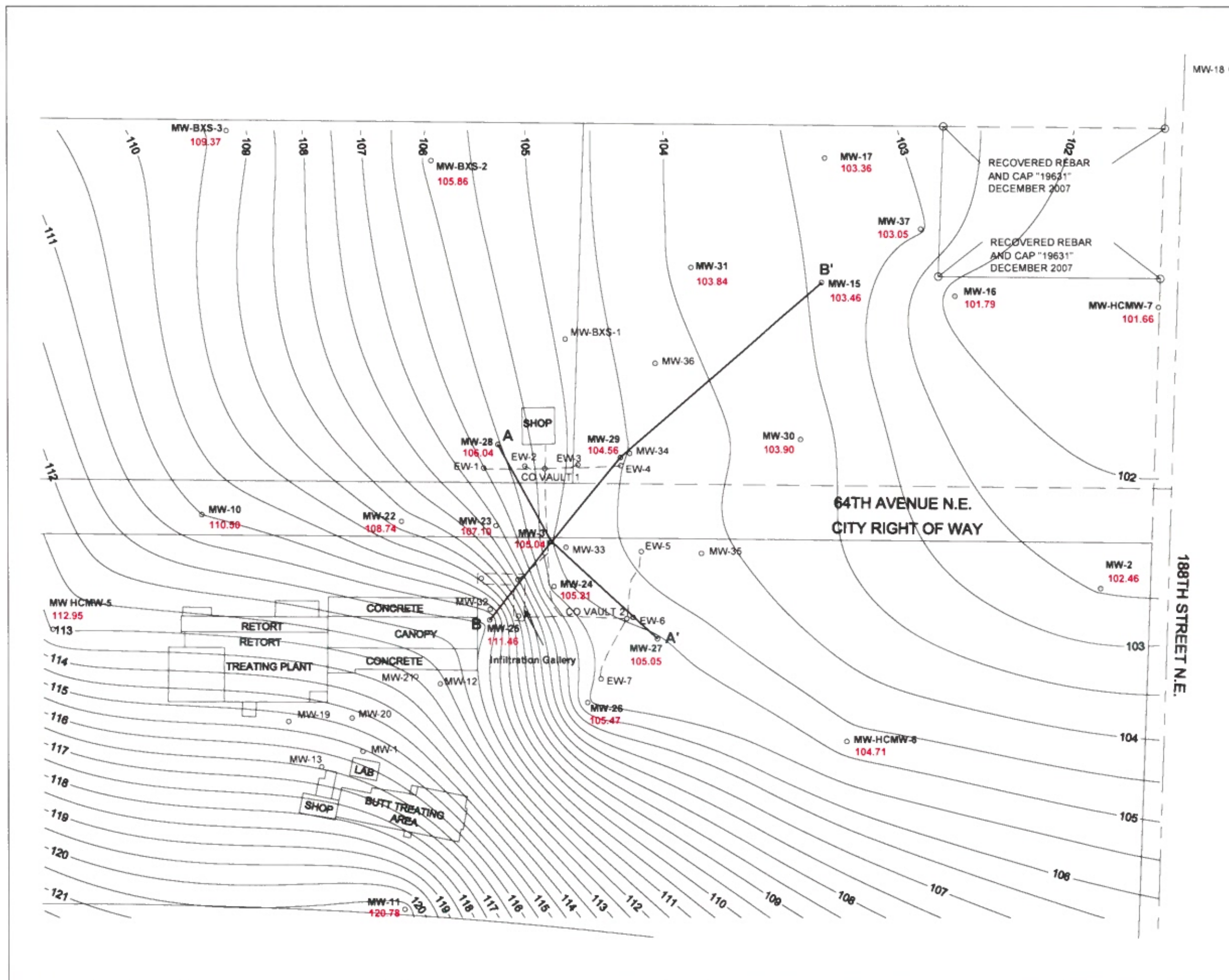
NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Bold well identifications and groundwater levels indicate the points that were used to generate groundwater elevation contours.



MAP NOTES:

MAP NOTES:
Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-10

OCTOBER 22, 2008

Groundwater Elevation Contour Map Baseline Elevations Former J.H. Baxter Wood Treating Facility Arlington, Washington

LEGEND

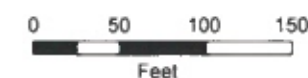
○ Monitoring Well Identification and
Groundwater Elevation (ft.)

MW-15
104.72

106 Groundwater Elevation Contour (ft.)

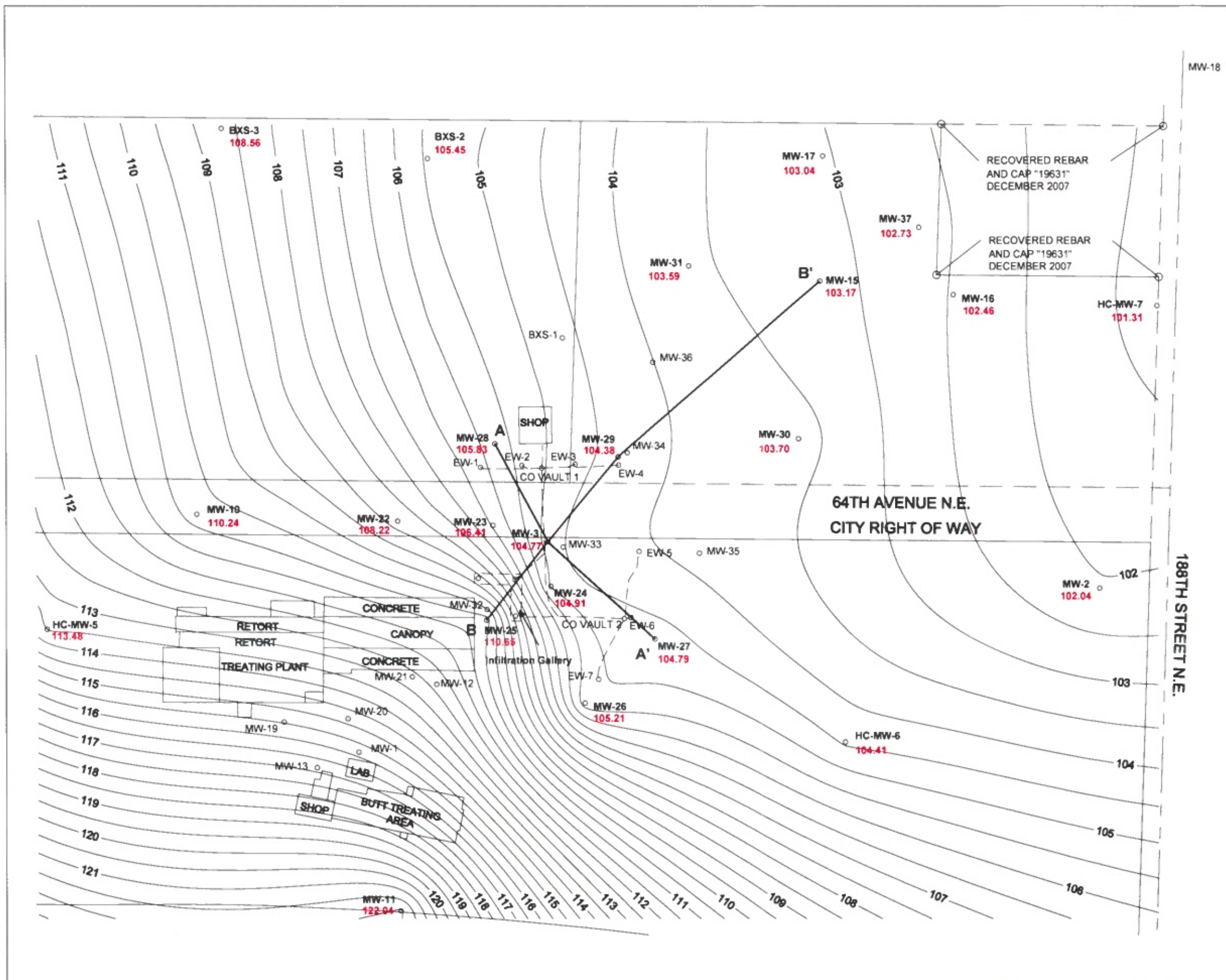
NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Bold well identifications and groundwater levels indicate the points that were used to generate groundwater elevation contours.



MAP NOTES:

Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-11

NOVEMBER 25, 2008

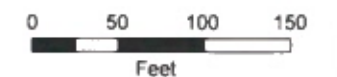
Groundwater Elevation Contour Map Baseline Elevations Former J.H. Baxter Wood Treating Facility Arlington, Washington

LEGEND

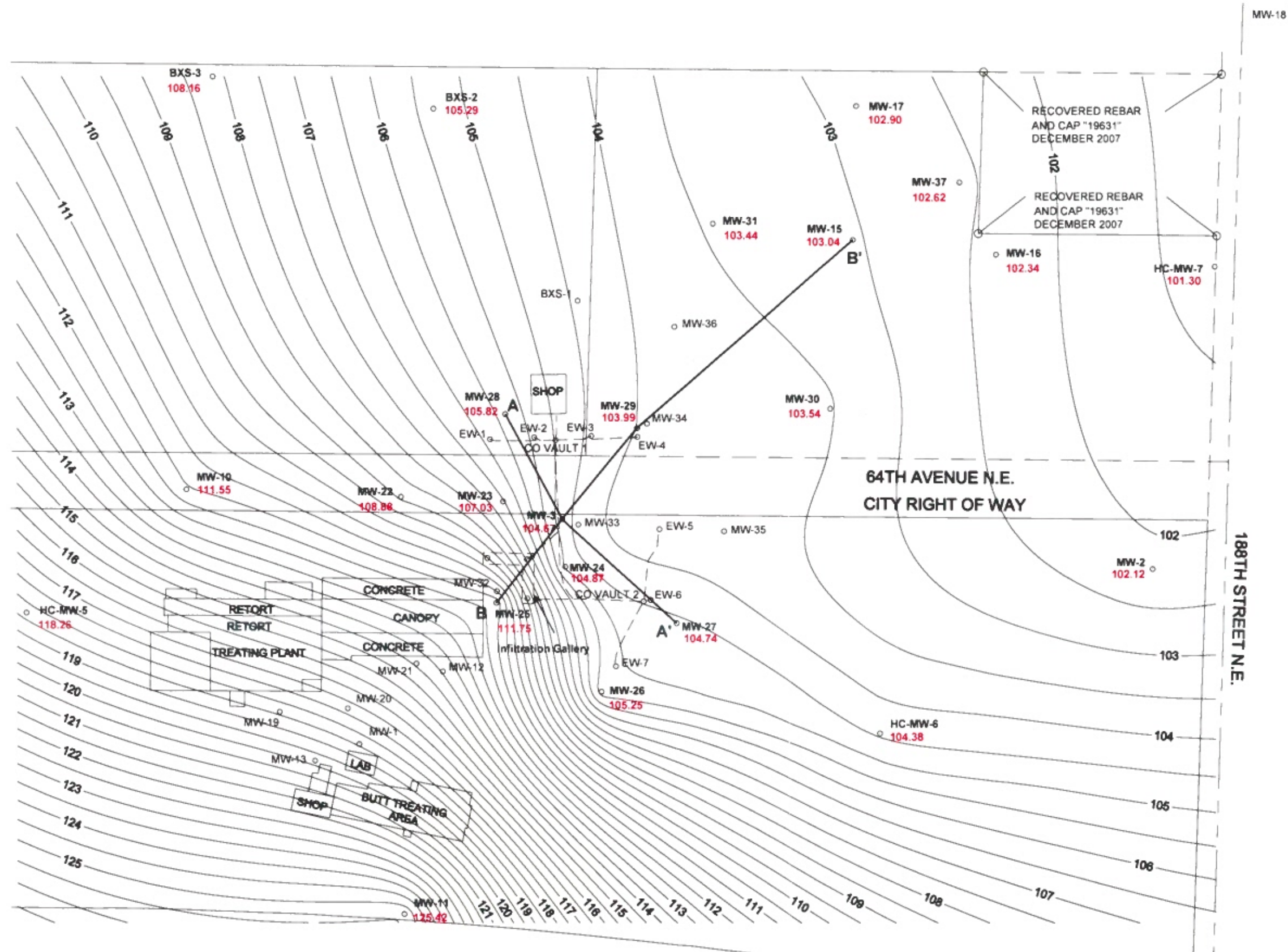
- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15 104.72
- 106 Groundwater Elevation Contour (ft.)

NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Bold well identifications and groundwater levels indicate the points that were used to generate groundwater elevation contours.



MAP NOTES:
Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-12

JANUARY 6, 2009

Groundwater Elevation Contour Map
Baseline Elevations
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

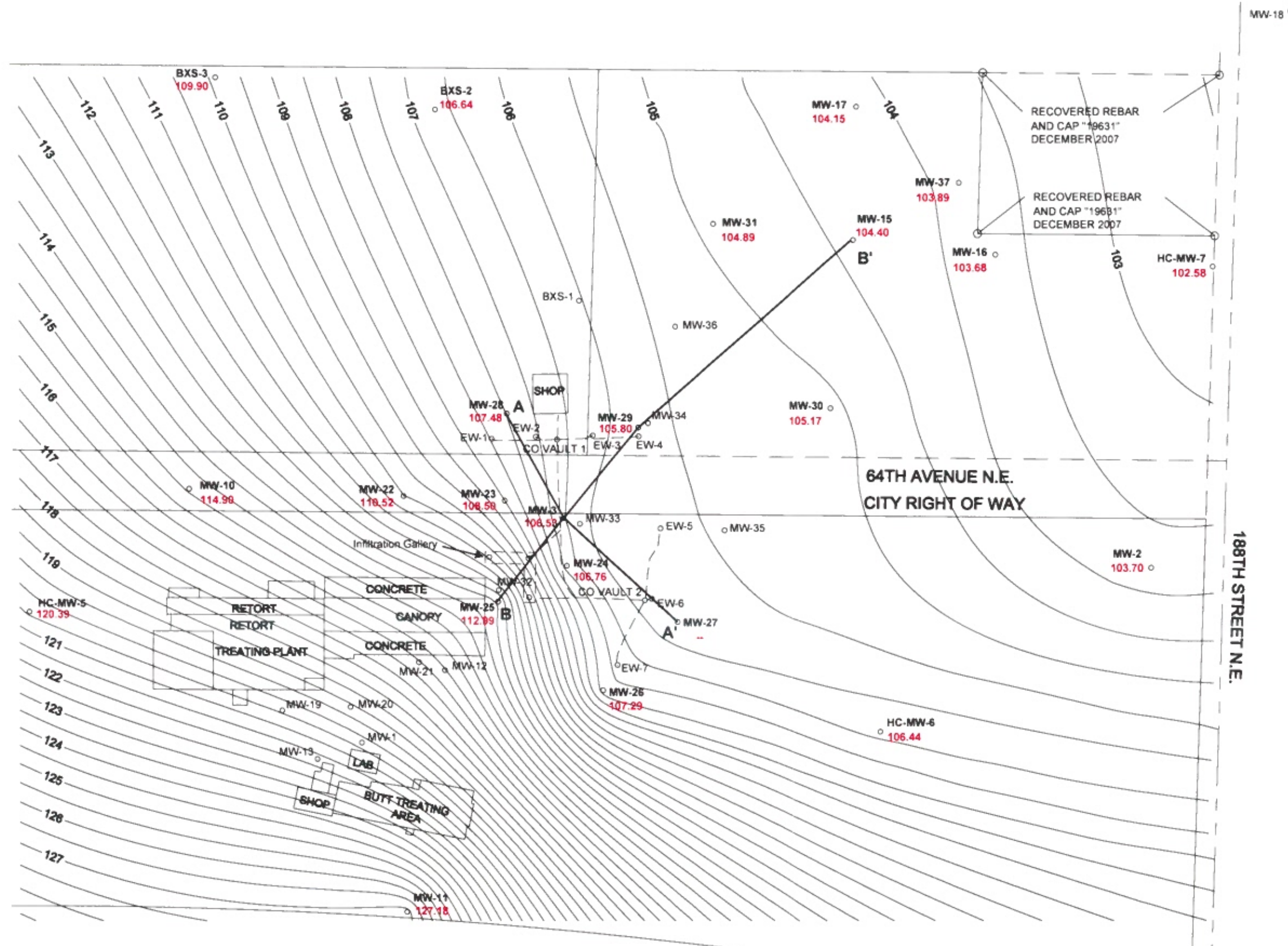
- Monitoring Well Identification and Groundwater Elevation (ft.)
MW-15 104.72
- 106 — Groundwater Elevation Contour (ft.)
- Extraction Well Identification
EW-1
- Clean Out Vault Identification
CO VAULT 1

NOTES:

- All elevations exist in NAVD88.
- Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
- Monitoring wells without groundwater elevations were not used in development of contour lines due to deeper screen interval.
- Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
- Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.



MAP NOTES:
Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-13

FEBRUARY 9, 2009

Groundwater Elevation Contour Map Baseline Elevations

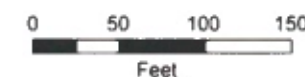
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15 104.72
- 106 Groundwater Elevation Contour (ft.)
- Extraction Well Identification
- CO VAULT 1
- Clean Out Vault Identification

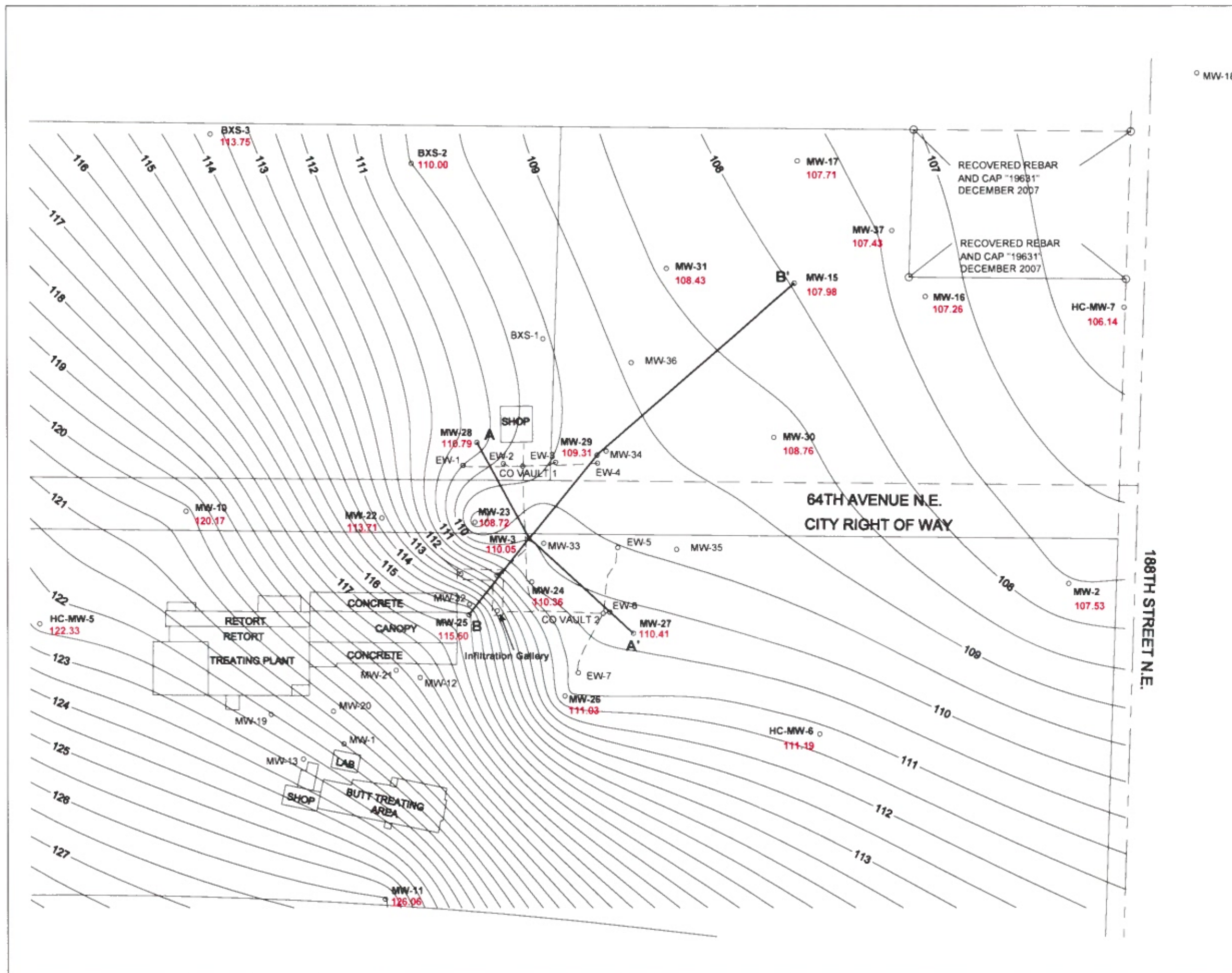
NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.



MAP NOTES:

Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-14

MARCH 5, 2009

Groundwater Elevation Contour Map Baseline Elevations Former J.H. Baxter Wood Treating Facility Arlington, Washington

LEGEND

- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15 104.72
- 108 Groundwater Elevation Contour (ft.)
- Extraction Well Identification
- CO VAULT 1 Clean Out Vault Identification

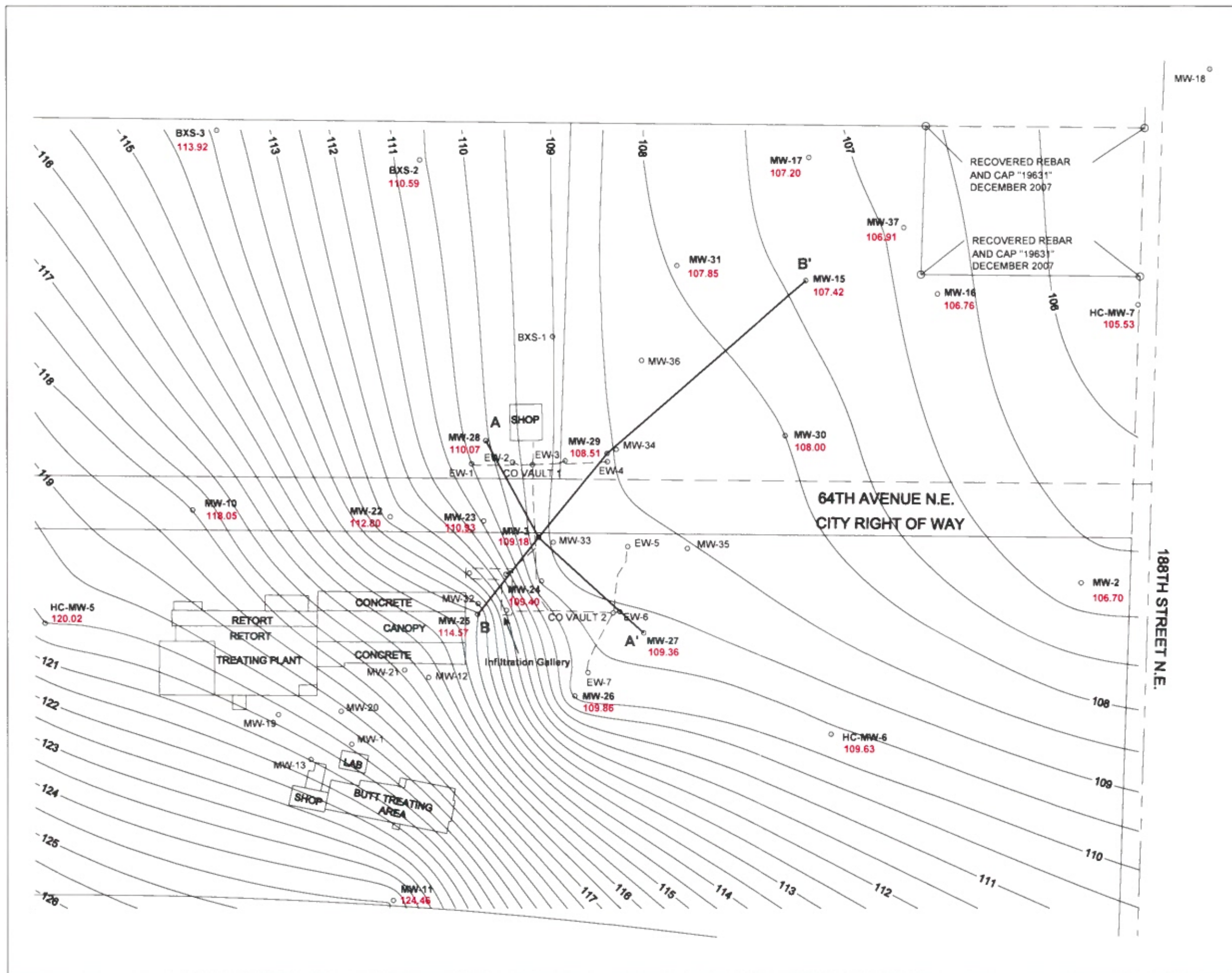
NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.



MAP NOTES:

Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-15

APRIL 1, 2009

Groundwater Elevation Contour Map
Baseline Elevations
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

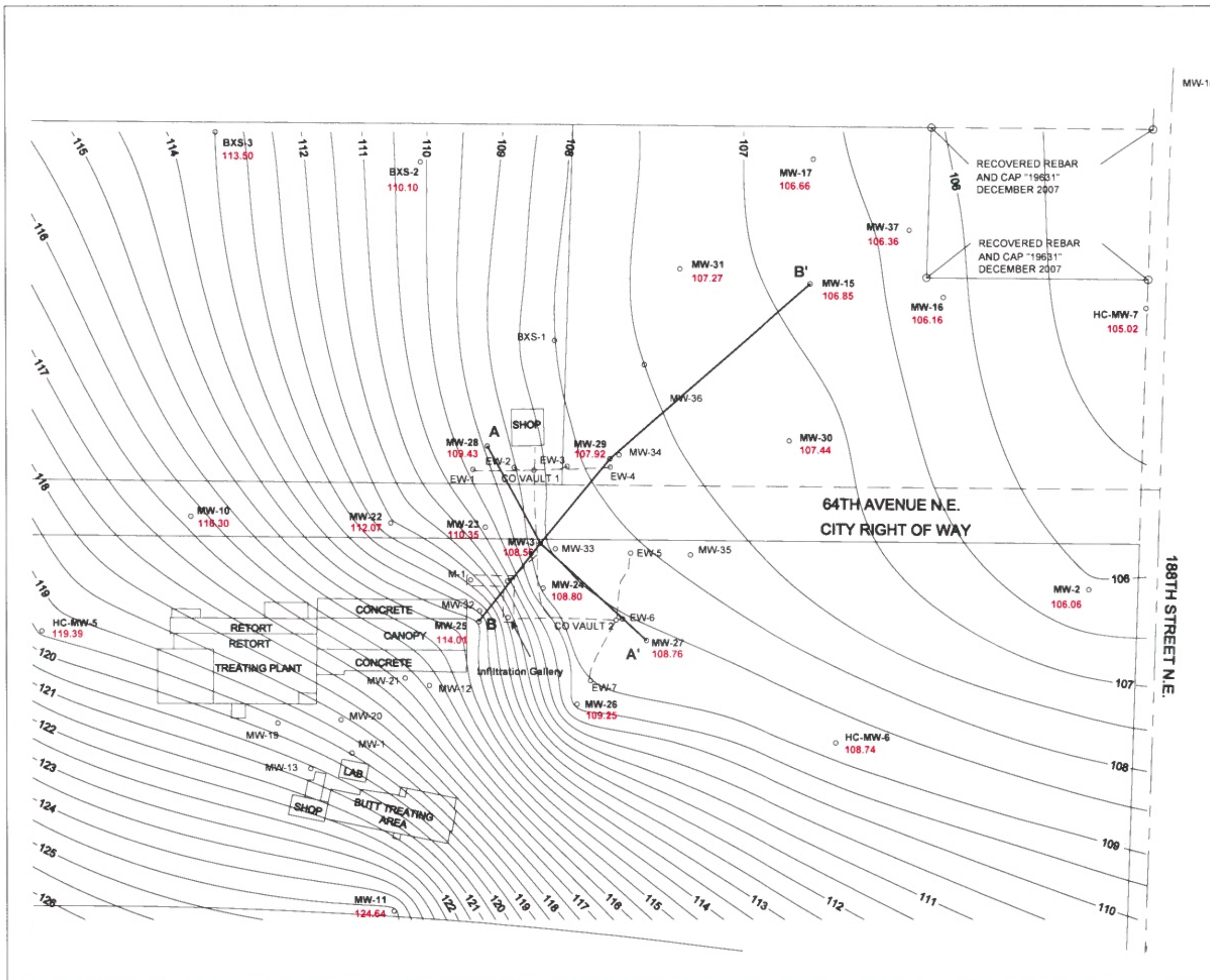
- Monitoring Well Identification and Groundwater Elevation (ft.)
MW-15
104.72
- 106 — Groundwater Elevation Contour (ft.)
- Extraction Well Identification
EW-1
- Clean Out Vault Identification
CO VAULT 1

NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.



MAP NOTES:
Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-16

MAY 4, 2009

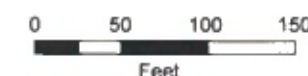
Groundwater Elevation Contour Map Baseline Elevations Former J.H. Baxter Wood Treating Facility Arlington, Washington

LEGEND

- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15 104.72
- 106 Groundwater Elevation Contour (ft.)
- Extraction Well Identification
- EW-1
- Clean Out Vault Identification
- CO VAULT 1

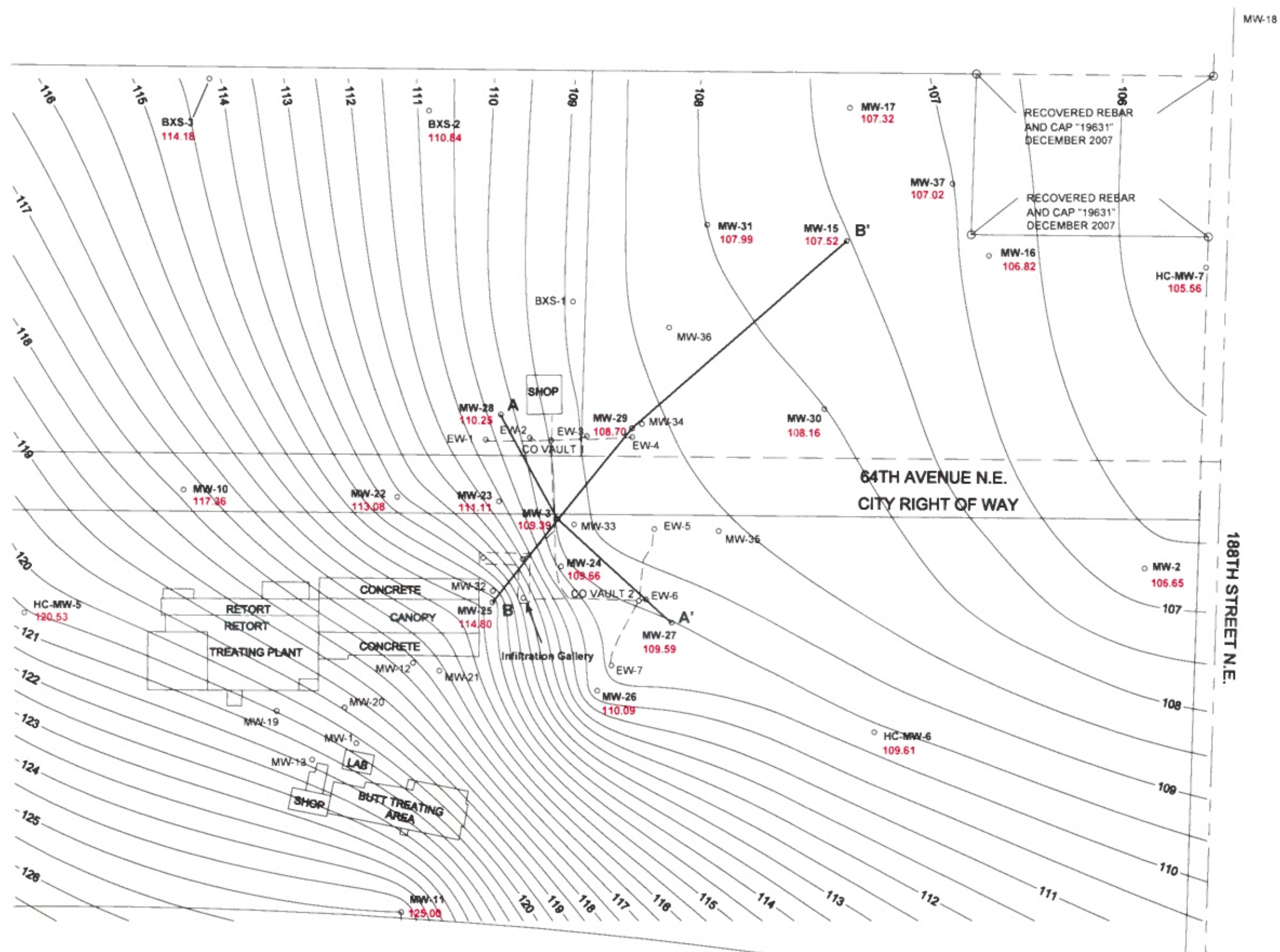
NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.



MAP NOTES:

Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-17

MAY 26, 2009

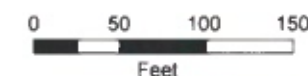
Groundwater Elevation Contour Map Baseline Elevations Former J.H. Baxter Wood Treating Facility Arlington, Washington

LEGEND

- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15 104.72
- 106 Groundwater Elevation Contour (ft.)
- Extraction Well Identification
- EW-1
- Clean Out Vault Identification
- CO VAULT 1

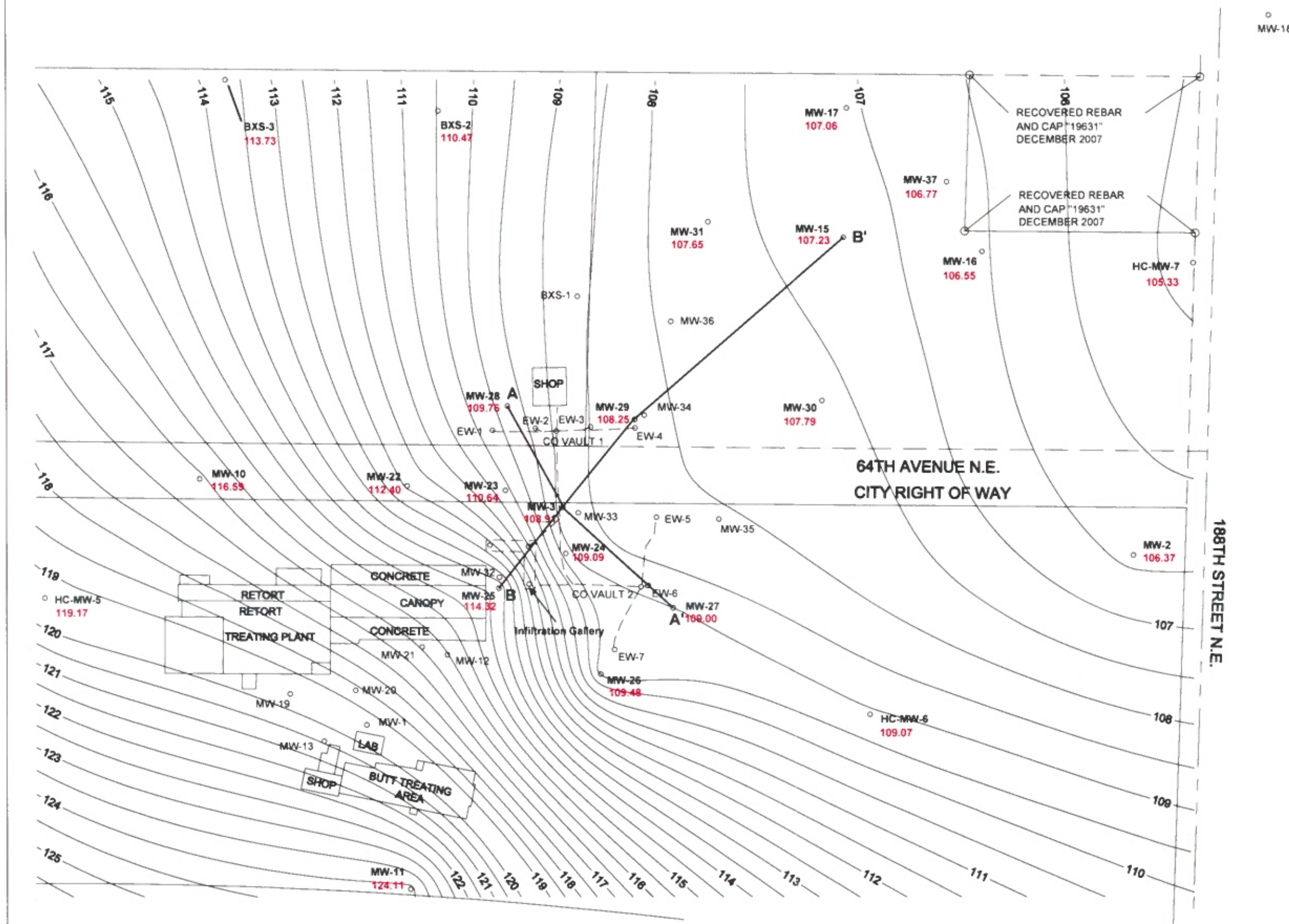
NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.



MAP NOTES:

Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-18

JULY 8, 2009

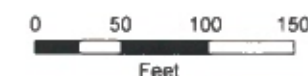
Groundwater Elevation Contour Map Baseline Elevations Former J.H. Baxter Wood Treating Facility Arlington, Washington

LEGEND

- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15 104.72
- 106 Groundwater Elevation Contour (ft.)
- Extraction Well Identification
- EW-1
- Clean Out Vault Identification
- CO VAULT 1

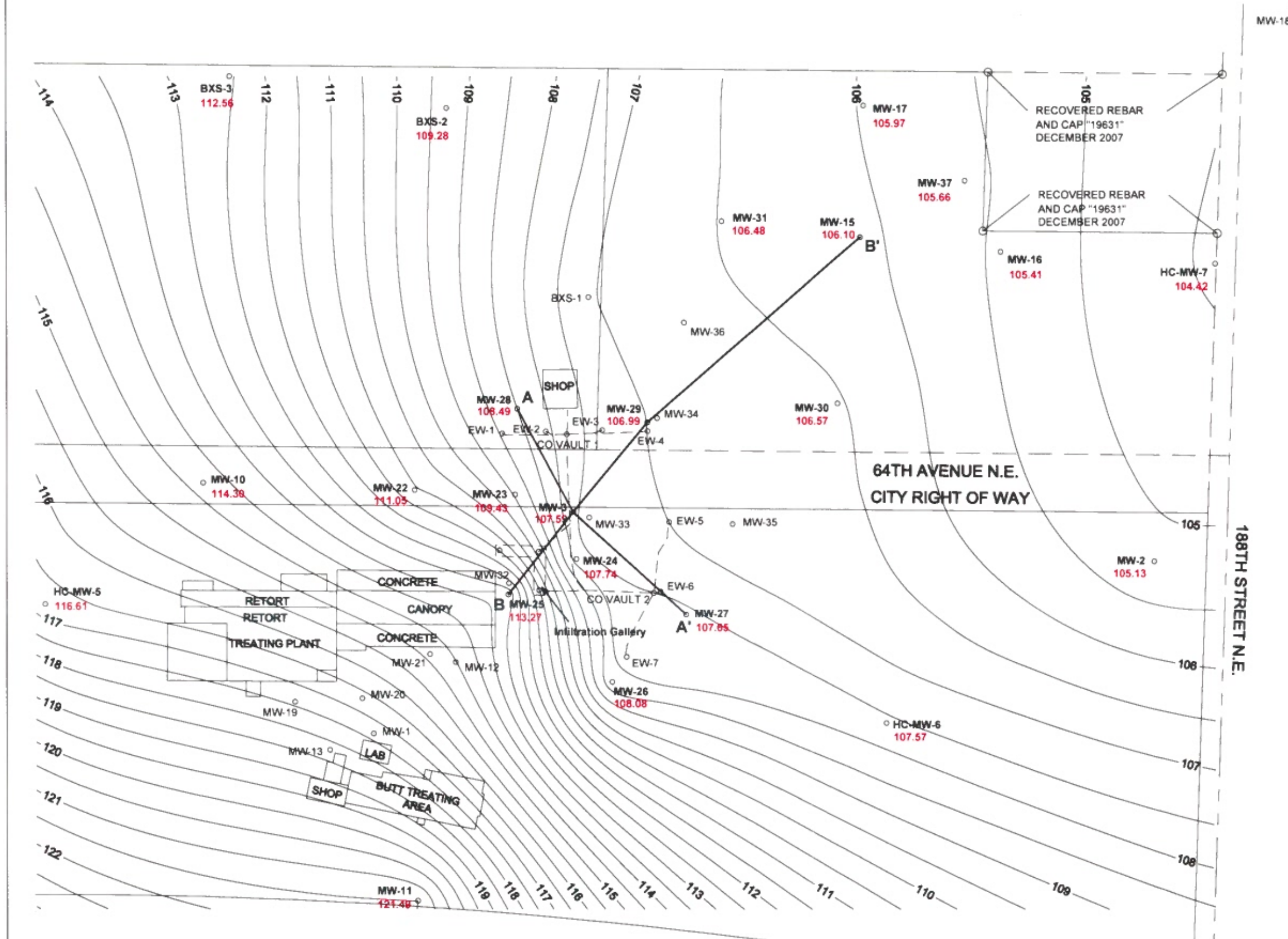
NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.



MAP NOTES:

Data Sources: Geomatrix, Appendix C. Stand-Alone Data Document (2014), December 2014



APPENDIX C-19

AUGUST 3, 2009

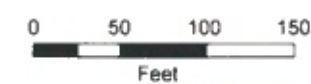
Groundwater Elevation Contour Map
Baseline Elevations
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15
104.72
- 106 Groundwater Elevation Contour (ft.)
- Extraction Well Identification
- EW-1
- Clean Out Vault Identification
- CO VAULT 1

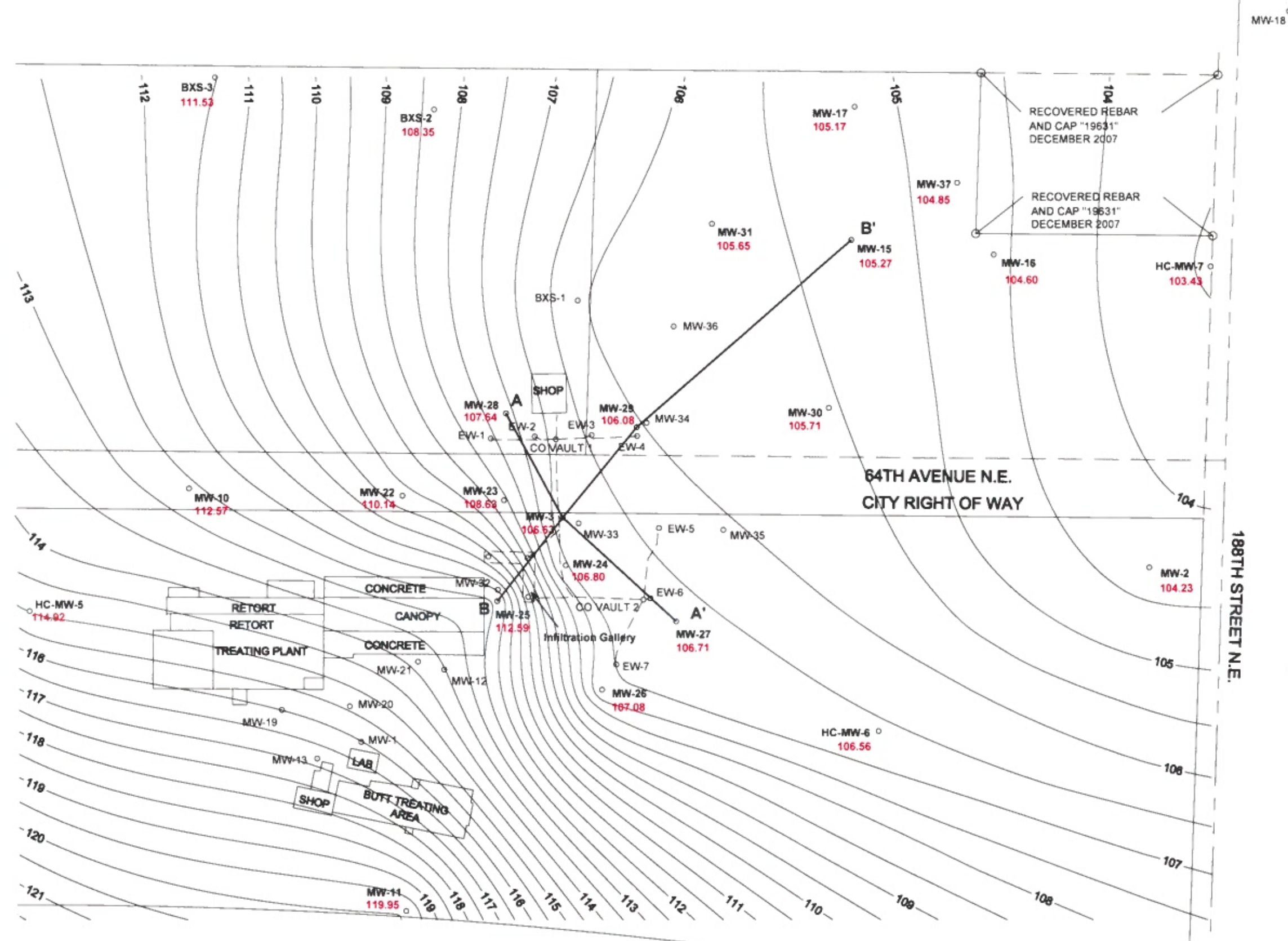
NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.
6. Depth to water measurements at BXS-1, BXS-2, BXS-3, and BXS-4 were performed on August 4, 2009.



MAP NOTES:

Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-20

AUGUST 27, 2009

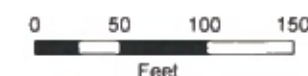
Groundwater Elevation Contour Map
Baseline Elevations
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15 104.72
- 106 Groundwater Elevation Contour (ft.)
- Extraction Well Identification
- EW-1
- Clean Out Vault Identification
- CO VAULT 1

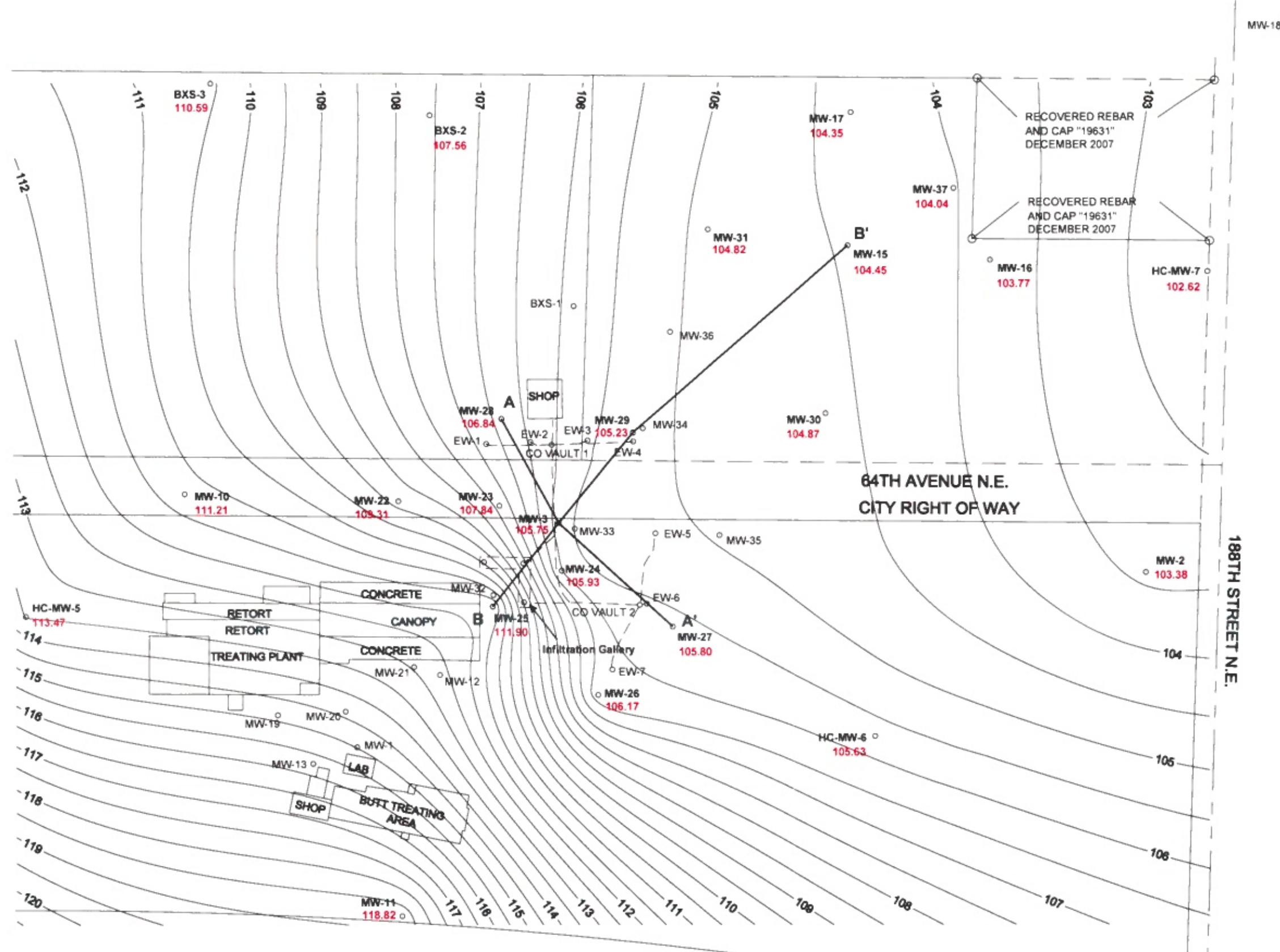
NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.



MAP NOTES:

Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-21

SEPTEMBER 30, 2009

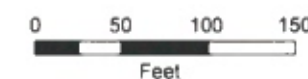
Groundwater Elevation Contour Map
Baseline Elevations
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15 104.72
- 106 Groundwater Elevation Contour (ft.)
- Extraction Well Identification
- Clean Out Vault Identification
- CO VAULT 1

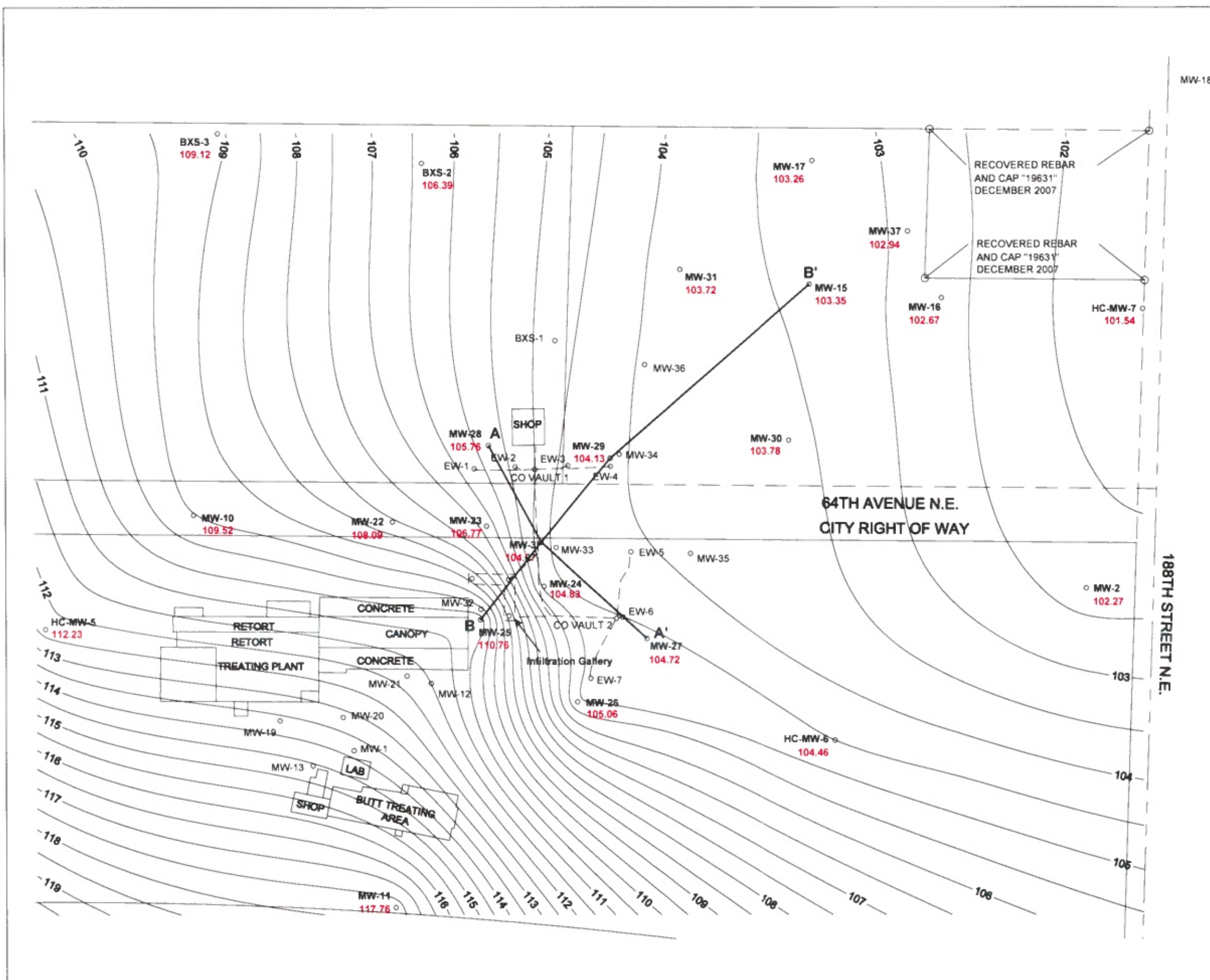
NOTES:

- All elevations exist in NAVD88.
- Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
- Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
- Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
- Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.



MAP NOTES:

Date Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-22

NOVEMBER 16, 2009

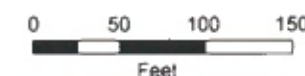
**Groundwater Elevation Contour Map
Baseline Elevations**
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15
104.72
- 106 Groundwater Elevation Contour (ft.)
- Extraction Well Identification
- EW-1
- Clean Out Vault Identification
- CO VAULT 1

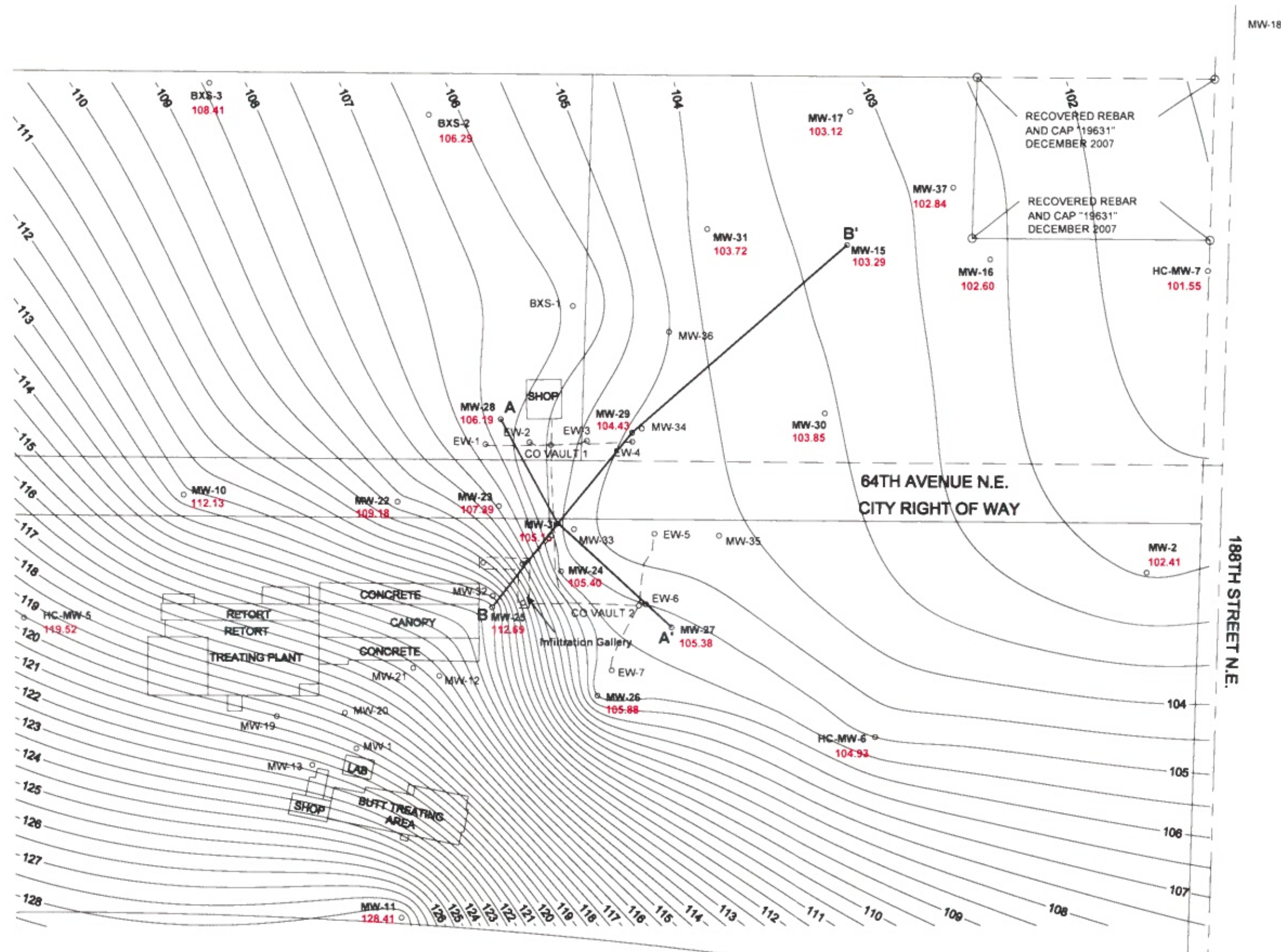
NOTES:

- All elevations exist in NAVD88.
- Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
- Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
- Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
- Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.



MAP NOTES:

Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-23

DECEMBER 29, 2009

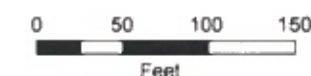
**Groundwater Elevation Contour Map
Baseline Elevations**
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Monitoring Well Identification and Groundwater Elevation (ft.)
MW-15
104.72
- 106 — Groundwater Elevation Contour (ft.)
- Extraction Well Identification
EW-1
- Clean Out Vault Identification
CO VAULT 1

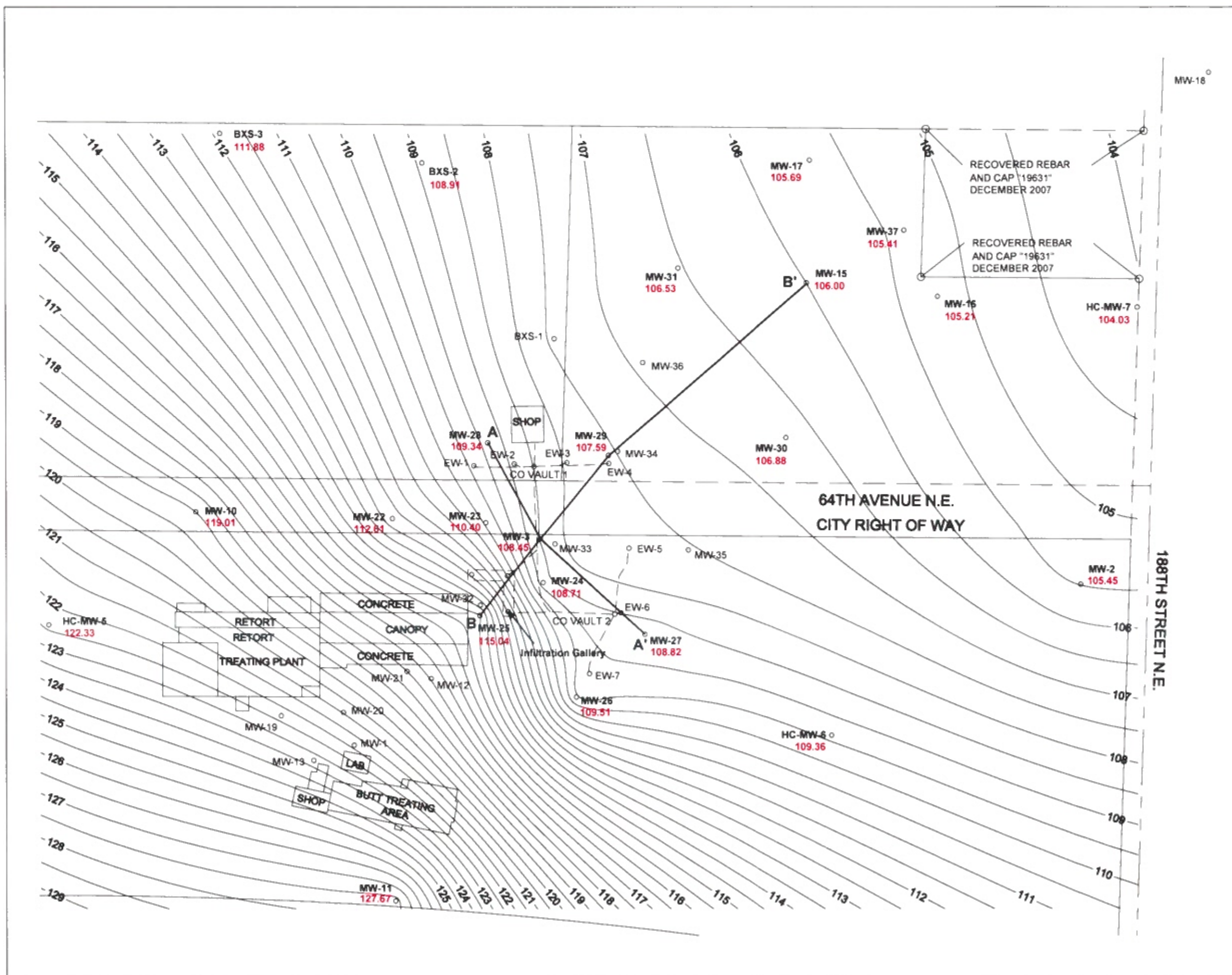
NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.



MAP NOTES:

Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-24

JANUARY 25, 2010

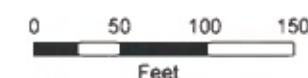
**Groundwater Elevation Contour Map
Baseline Elevations**
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15
104.72
- 106 Groundwater Elevation Contour (ft.)
- Extraction Well Identification
- EW-1
- Clean Out Vault Identification
- CO VAULT 1

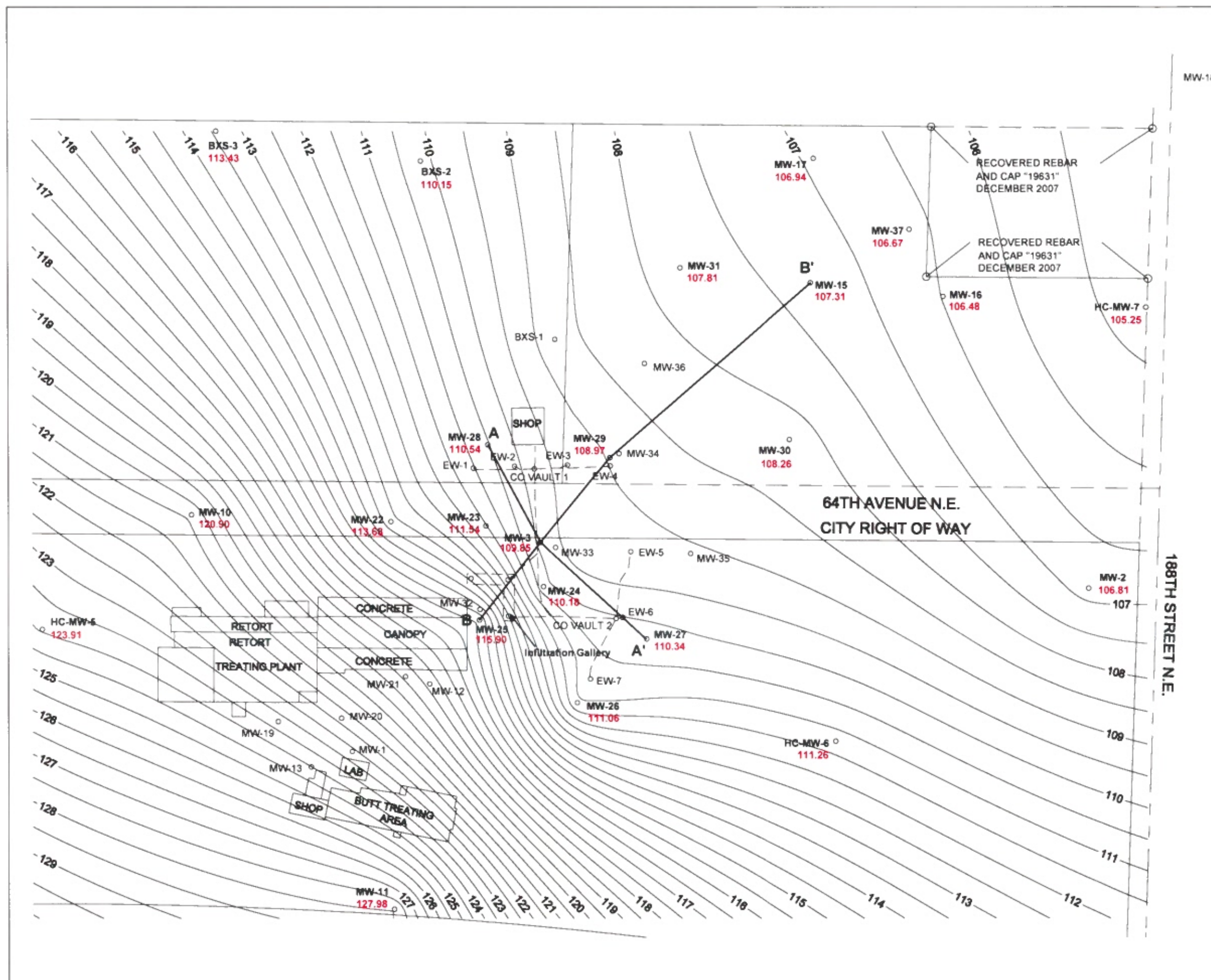
NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.



MAP NOTES:

Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-25

FEBRUARY 8, 2010

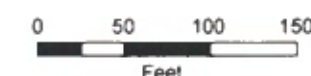
**Groundwater Elevation Contour Map
Baseline Elevations**
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15
104.72
- 106 Groundwater Elevation Contour (ft.)
- Extraction Well Identification
- EW-1
- Clean Out Vault Identification
- CO VAULT 1

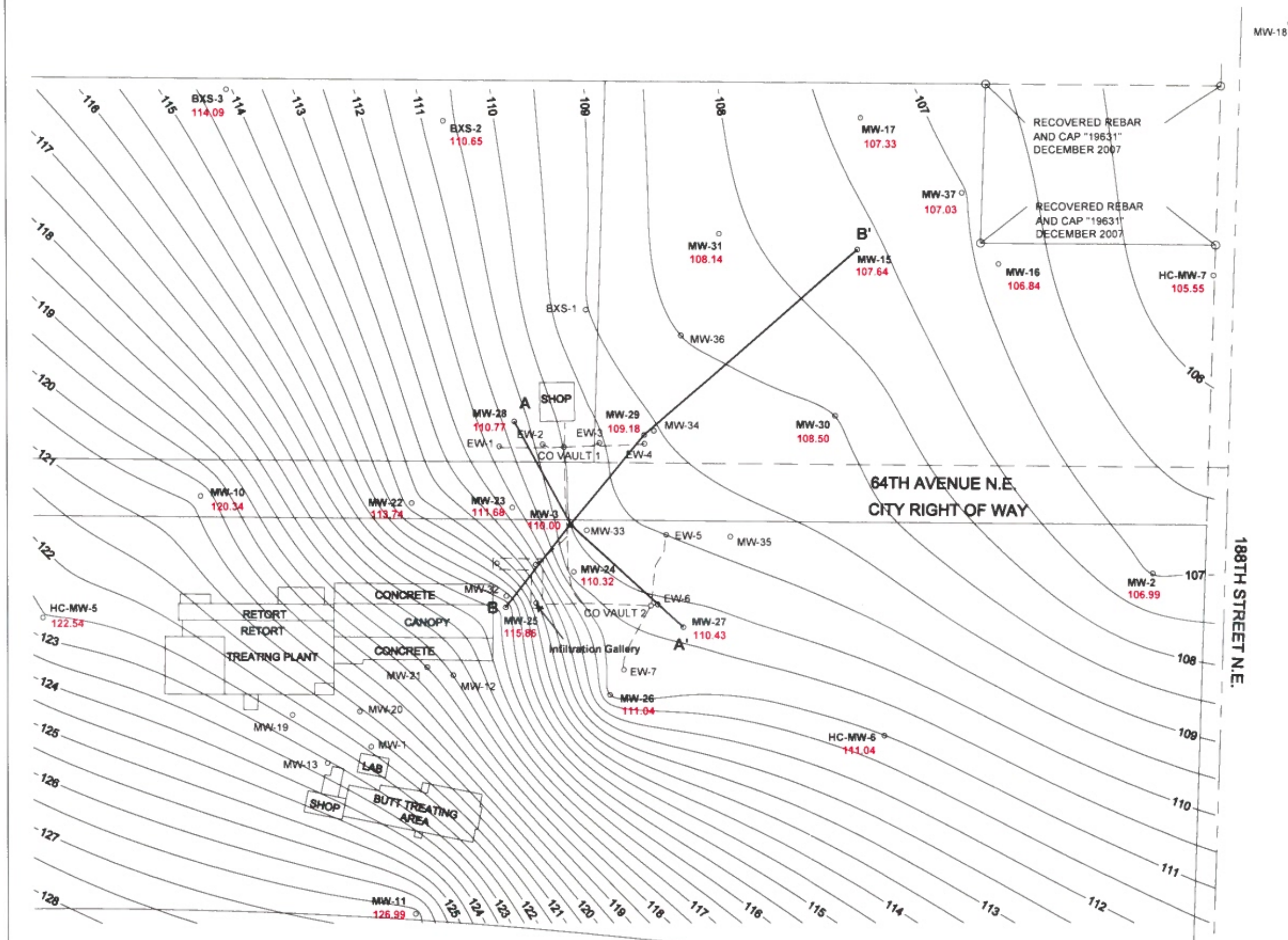
NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.
6. Elevation indicated for MW-23 was raised by 3 feet from values recorded in the field due to suspected error in field recording.



MAP NOTES:

Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-26

MARCH 23, 2010

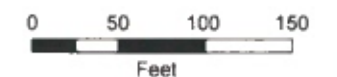
Groundwater Elevation Contour Map Baseline Elevations Former J.H. Baxter Wood Treating Facility Arlington, Washington

LEGEND

- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15
104.72
- 106 Groundwater Elevation Contour (ft.)
- Extraction Well Identification
- EW-1
- Clean Out Vault Identification
- CO VAULT 1

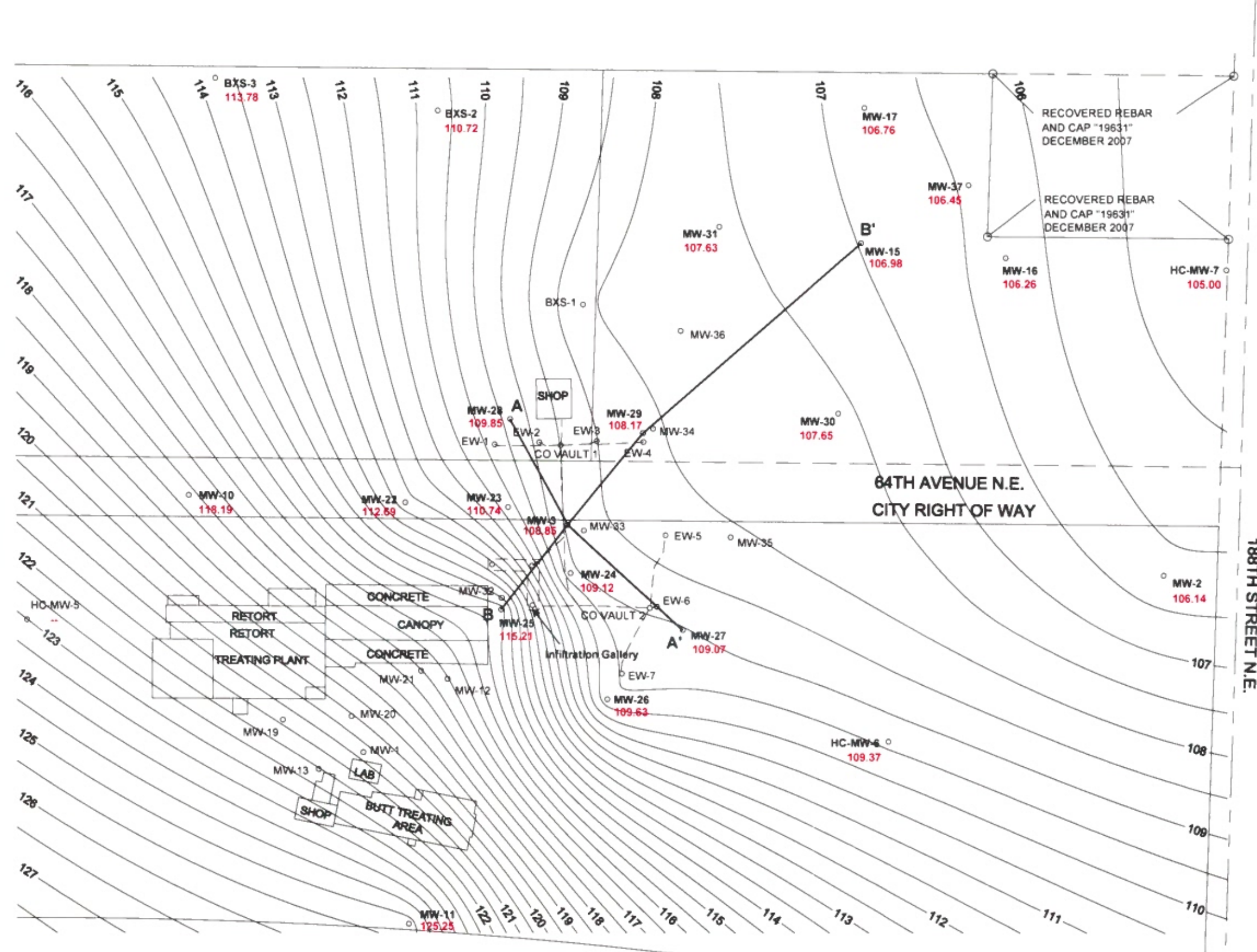
NOTES:

- All elevations exist in NAVD88.
- Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
- Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
- Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
- Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.
- Groundwater elevation at HC-MW-5 was not recorded due to a damaged well monument lid, which could not be opened.
- Groundwater elevations at MW-16 and MW-31 were lowered by 2 ft. from values recorded in the field due to suspected error in field recording.



MAP NOTES:

Data Sources: Geomatrix, Appendix C: Stand-Alone Data Document (2014), December 2014



APPENDIX C-27

APRIL 28, 2010

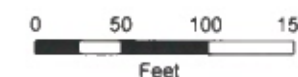
Groundwater Elevation Contour Map Baseline Elevations Former J.H. Baxter Wood Treating Facility Arlington, Washington

LEGEND

- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15 104.72
- 106 Groundwater Elevation Contour (ft.)
- Extraction Well Identification
- Clean Out Vault Identification
- CO VAULT 1

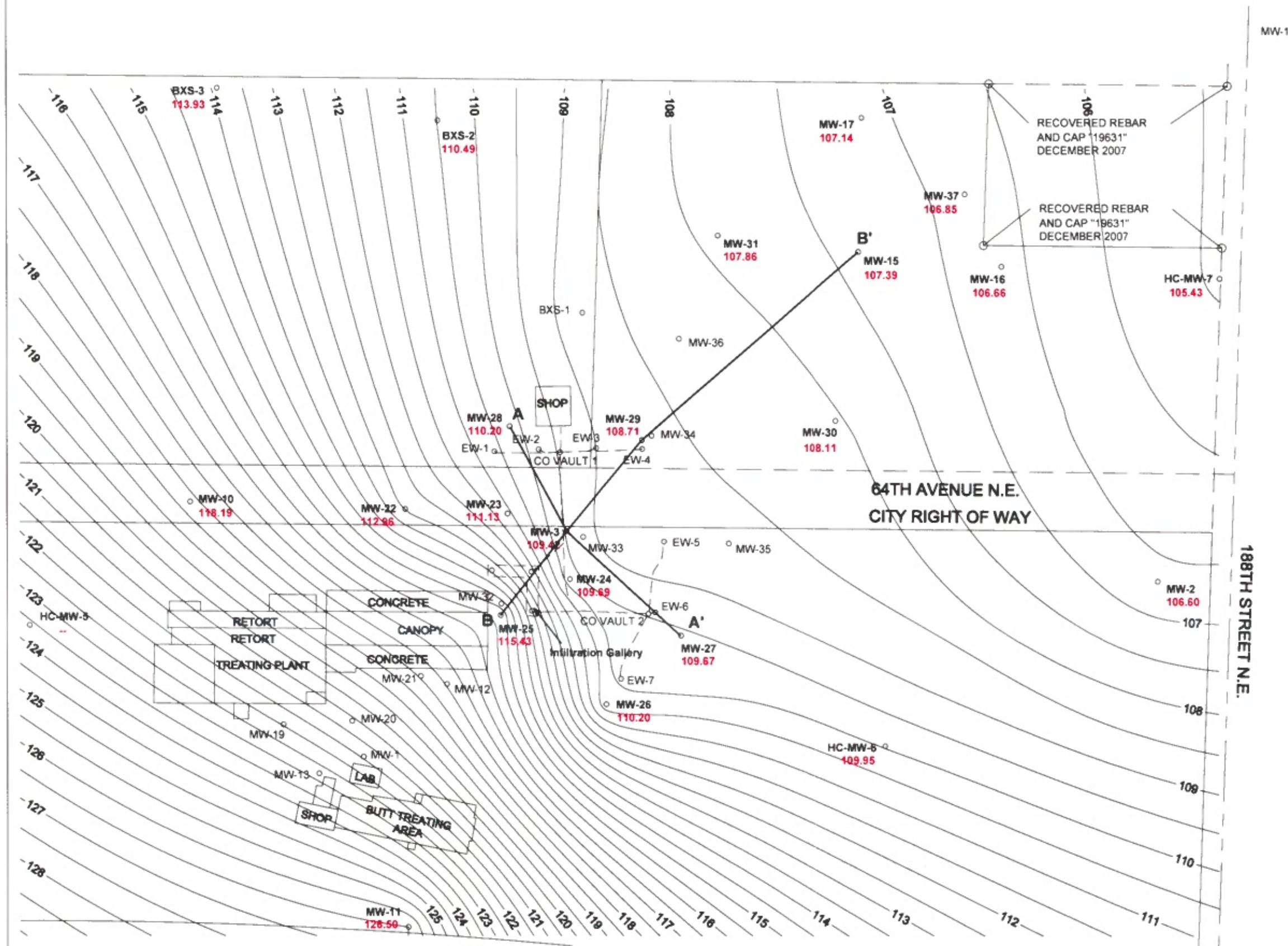
NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.
6. Groundwater elevation at HC-MW-5 was not recorded due to a damaged well monument lid, which could not be opened.
7. Groundwater elevation at MW-15 was increased by 1 ft. from the value recorded in the field due to suspected error in field recording.



MAP NOTES:

Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-28

MAY 24, 2010

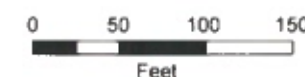
Groundwater Elevation Contour Map
Baseline Elevations
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15 104.72
- 106 Groundwater Elevation Contour (ft.)
- Extraction Well Identification
- Clean Out Vault Identification
- CO VAULT 1

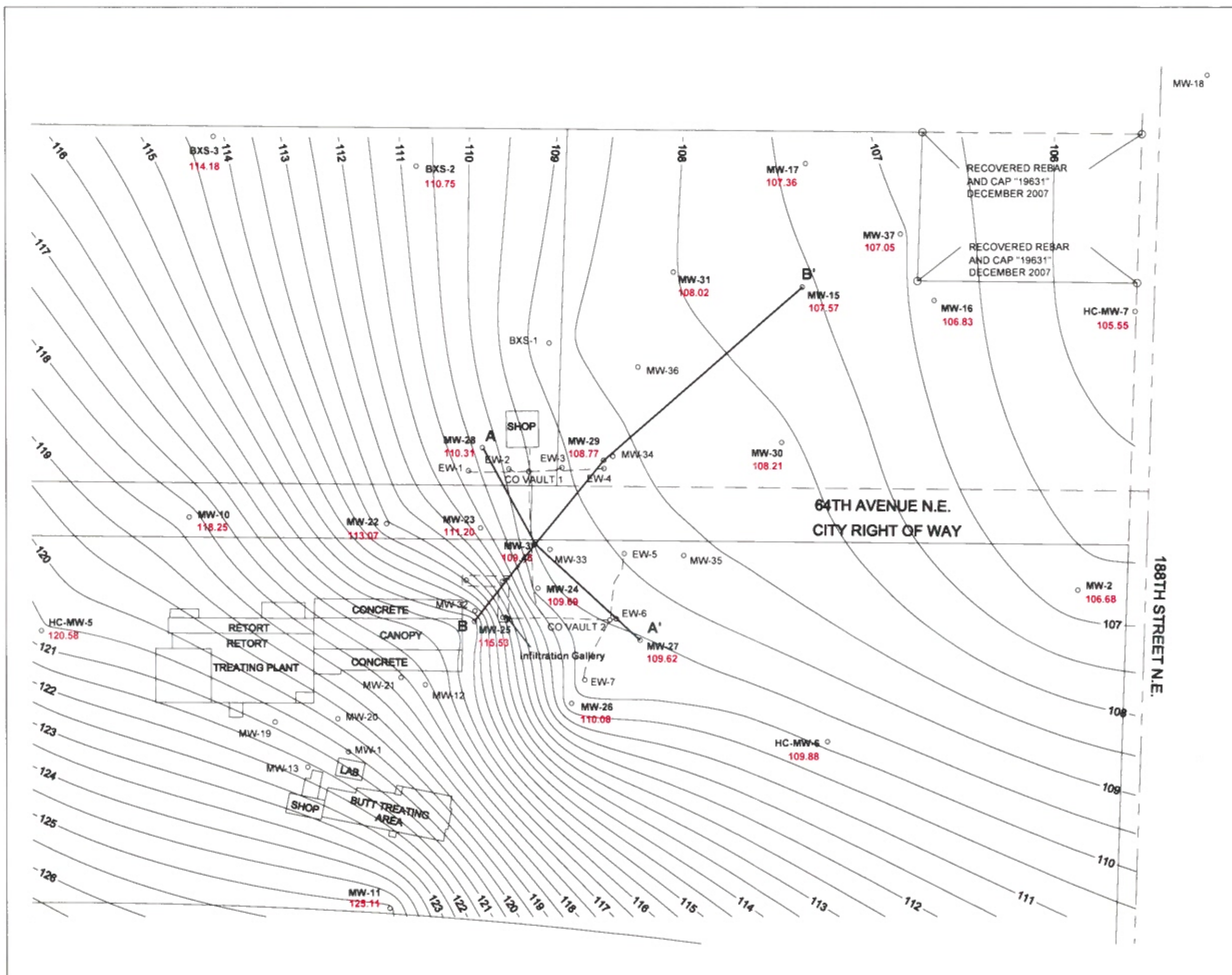
NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.
6. Depth to water measurement at MW-26 was performed 5/25/10. All depth to water measurements were performed within a 24 hour period.



MAP NOTES:

Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014

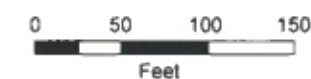


JUNE 29, 2010

LEGEND

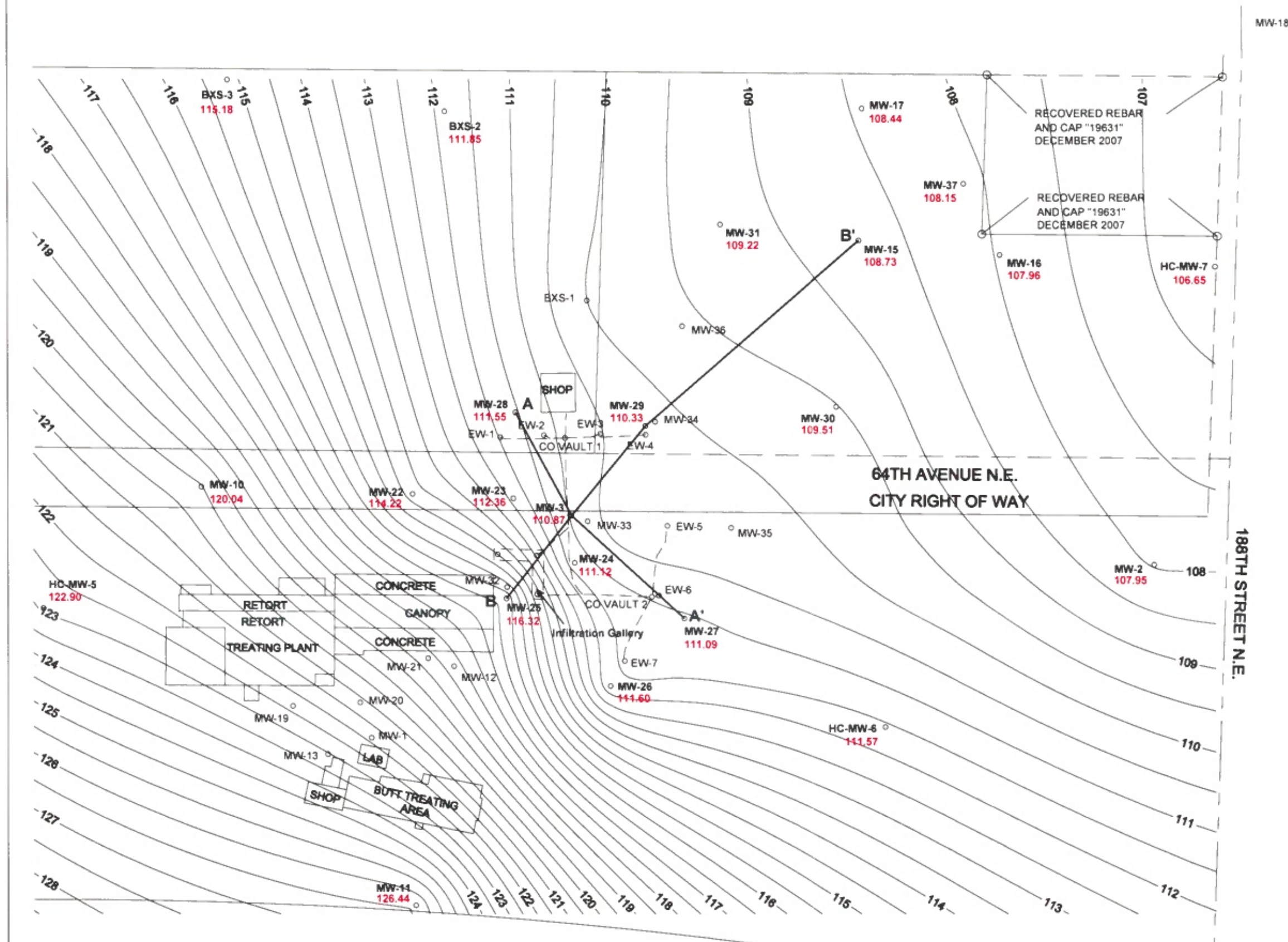
- NOTES:**

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.
6. Extraction well EW-4 was not in operation during this monitoring event.



MAP NOTES:

MAP NOTES:
Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-30

AUGUST 16, 2010

Groundwater Elevation Contour Map Baseline Elevations Former J.H. Baxter Wood Treating Facility Arlington, Washington

LEGEND

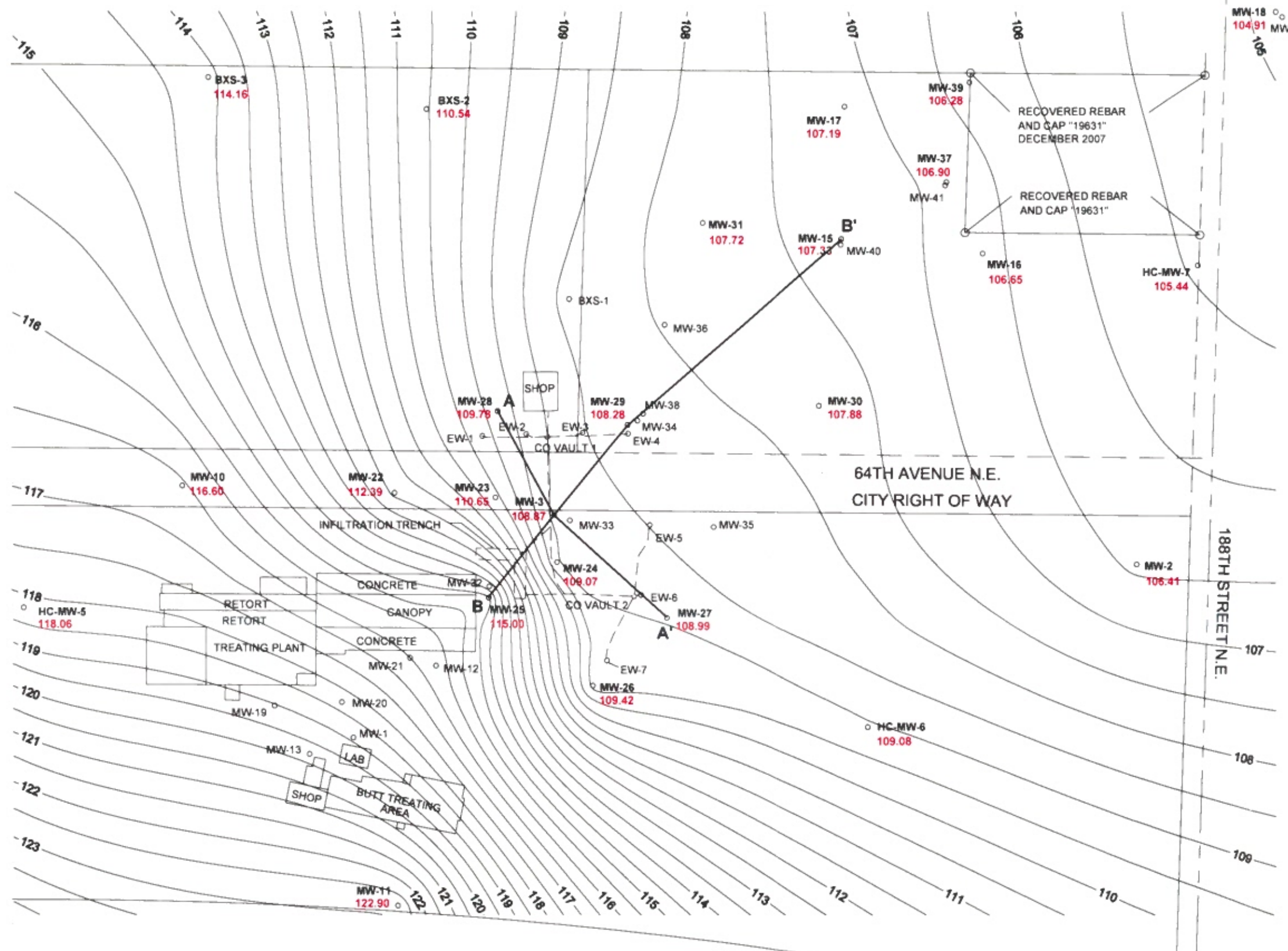
- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15
104.72
- 106 Groundwater Elevation Contour (ft.)
- Extraction Well Identification
- Clean Out Vault Identification

NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.
6. For well pairs and well triplets, groundwater elevation from the well with the highest screen elevation was used for contouring.



MAP NOTES:
Data Sources: Geomatrix, Appendix C: Stand-Alone Data Document (2014), December 2014



APPENDIX C-31

NOVEMBER 15, 2010

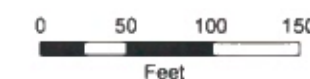
Groundwater Elevation Contour Map Baseline Elevations Former J.H. Baxter Wood Treating Facility Arlington, Washington

LEGEND

- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15 104.72
- 106 — Groundwater Elevation Contour (ft.)
- EW-1 Extraction Well Identification
- CO VAULT 1 Clean Out Vault Identification

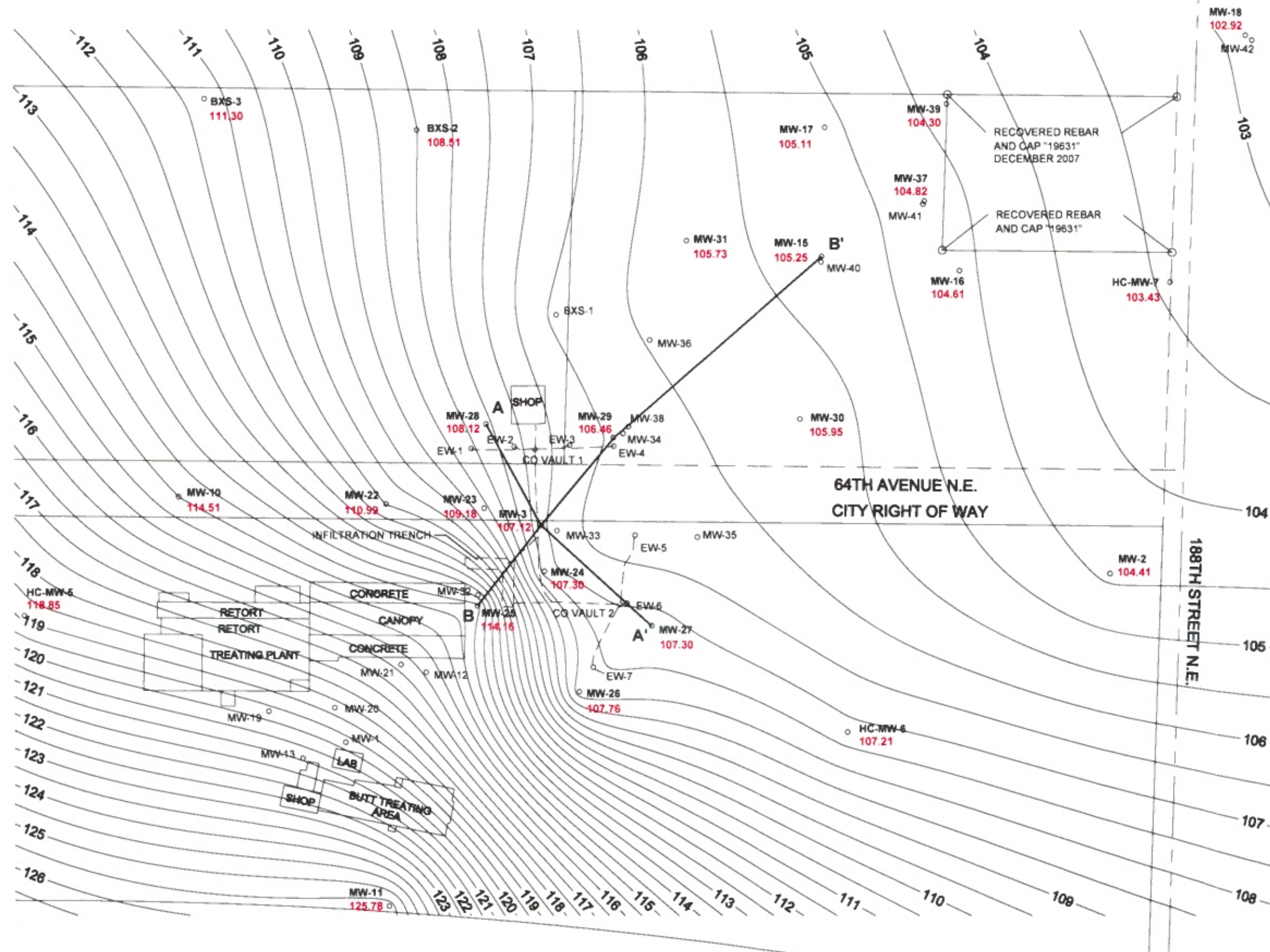
NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.
6. For well pairs and well triplets, groundwater elevation from the well with the highest screen elevation was used for contouring.



MAP NOTES:

Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



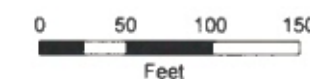
APPENDIX C-32
FEBRUARY 7, 2011
Groundwater Elevation Contour Map
Baseline Elevations
 Former J.H. Baxter Wood Treating Facility
 Arlington, Washington

LEGEND

- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15
104.72
- 106 — Groundwater Elevation Contour (ft.)
- EW-1 Extraction Well Identification
- CO VAULT 1 Clean Out Vault Identification

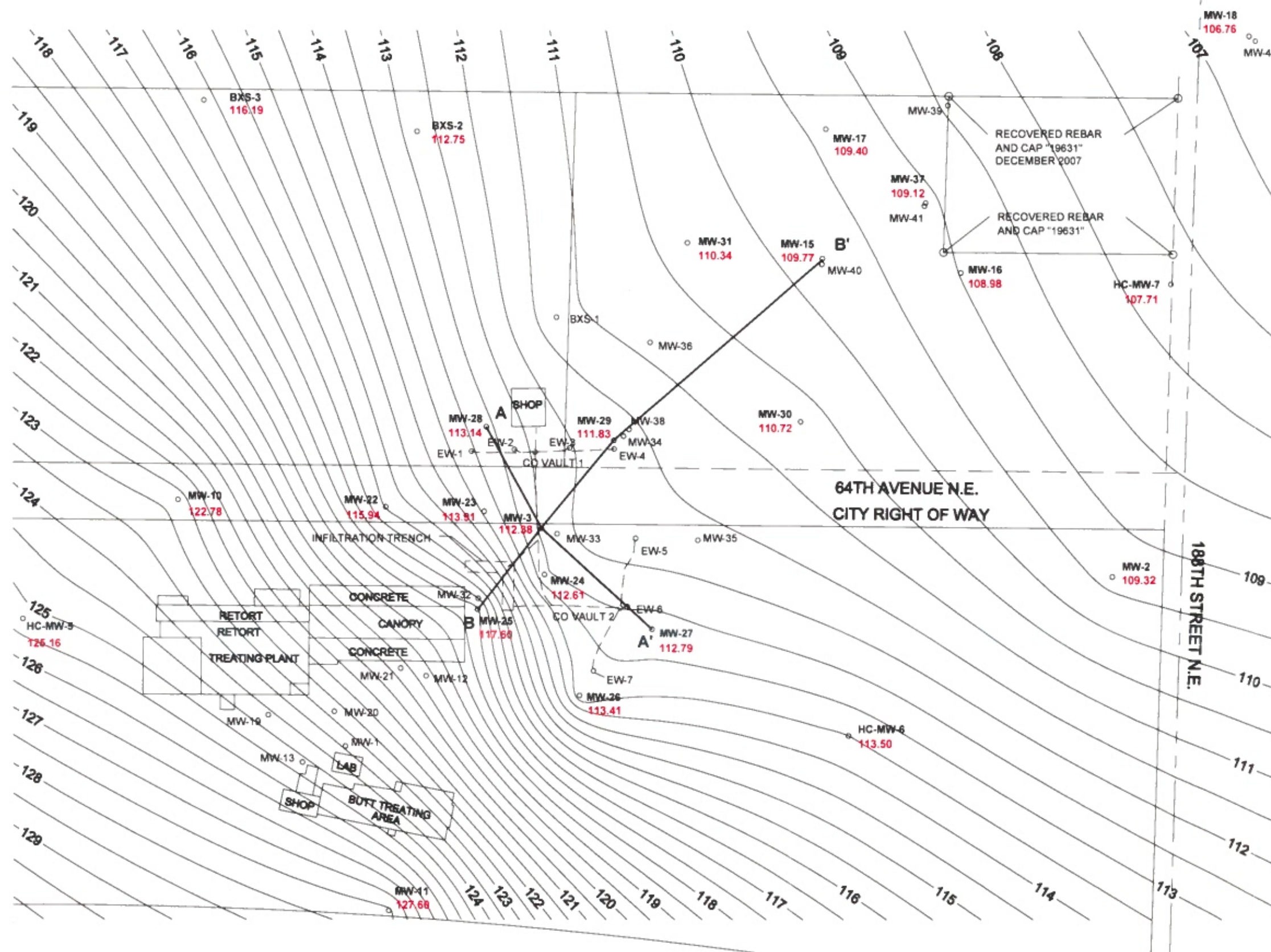
NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.
6. For well pairs and well triplets, groundwater elevation from the well with the highest screen elevation was used for contouring.



MAP NOTES:

Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-33

MAY 2011

Groundwater Elevation Contour Map Baseline Elevations

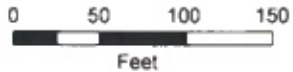
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15
104.72
- 108 — Groundwater Elevation Contour (ft.)
- EW-1 Extraction Well Identification
- CO VAULT 1 Clean Out Vault Identification

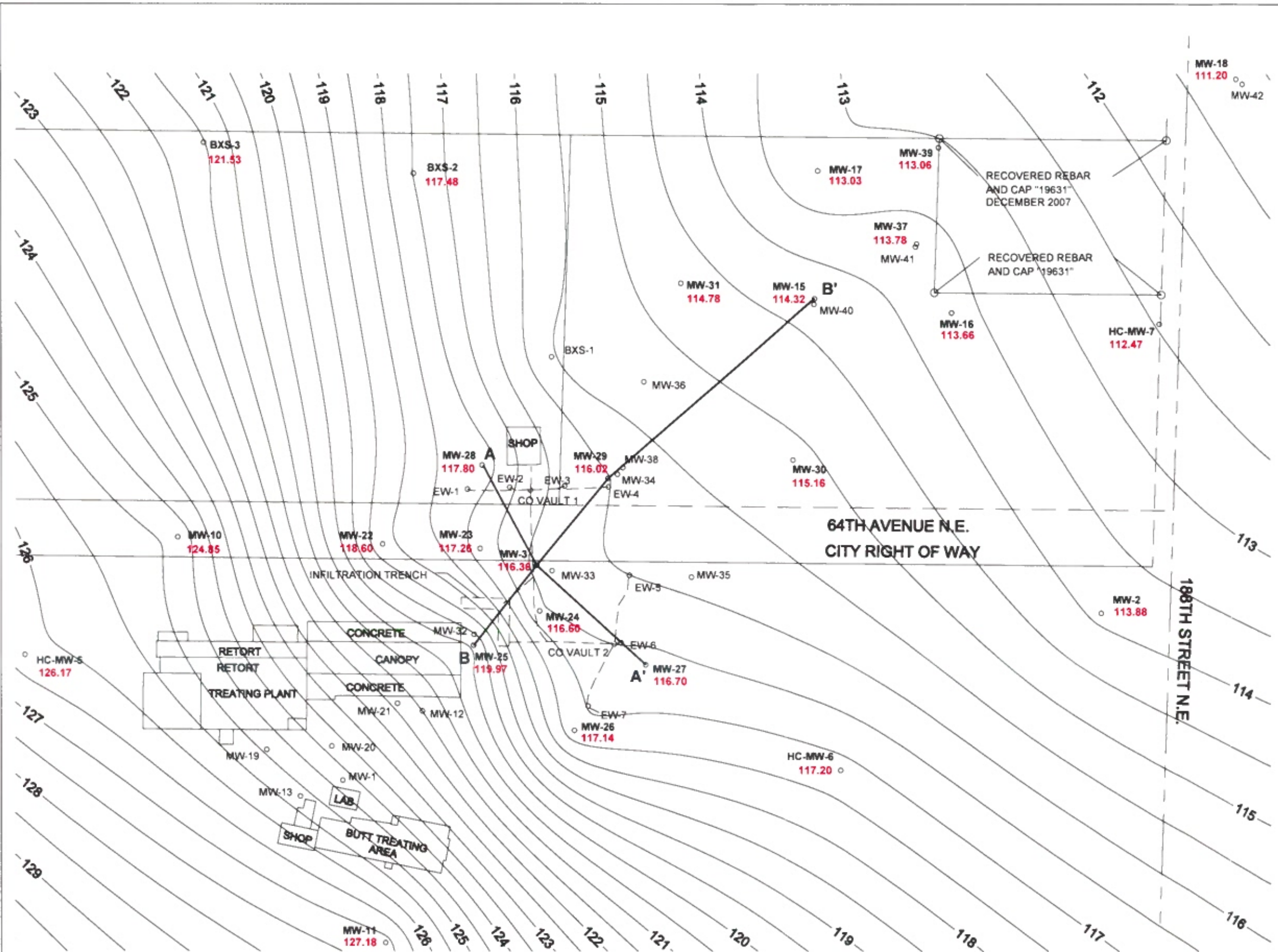
NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.
6. For well pairs and well triplets, groundwater elevation from the well with the highest screen elevation was used for contouring.
7. A suspected incorrect depth to water measurement occurred at MW-15. Therefore, the groundwater elevation at MW-15 was estimated by calculating the average elevation difference between MW-15 and MW-40 for the 3rd Quarter 2010 through the 1st Quarter 2011 and adding this difference to the 2nd Quarter 2011 groundwater elevation measured at MW-40.



MAP NOTES:

Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-34

AUGUST 22, 2011

Groundwater Elevation Contour Map Baseline Elevations Former J.H. Baxter Wood Treating Facility Arlington, Washington

LEGEND

- Monitoring Well Identification and Groundwater Elevation (ft.)
- 106 Groundwater Elevation Contour (ft.)
- EW-1 Extraction Well Identification
- CO VAULT 1 Clean Out Vault Identification

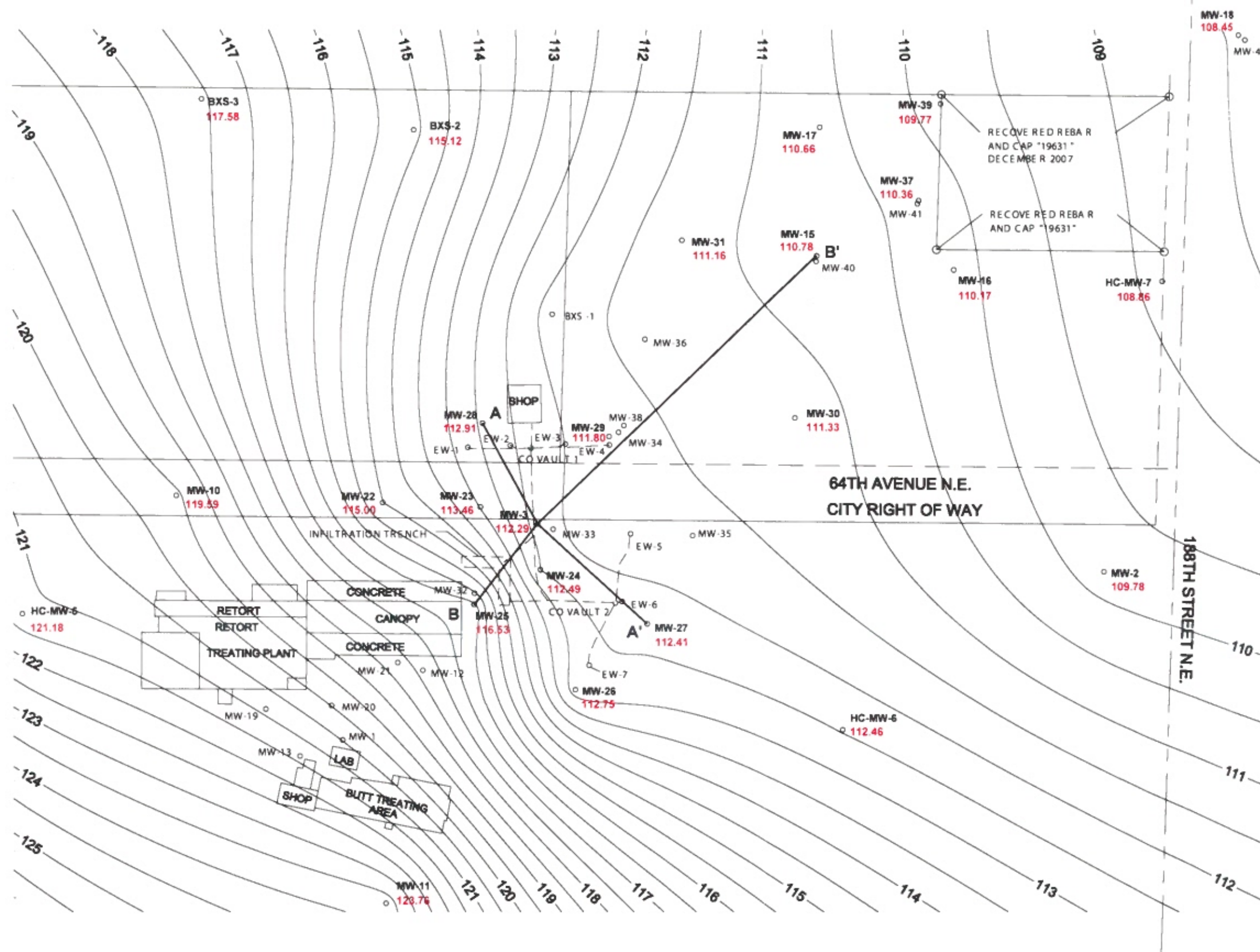
NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.
6. For well pairs and well triplets, groundwater elevation from the well with the highest screen elevation was used for contouring.



MAP NOTES:

Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



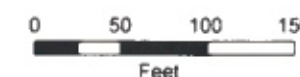
APPENDIX C-35
NOVEMBER 1, 2011
Groundwater Elevation Contour Map
Baseline Elevations
 Former J.H. Baxter Wood Treating Facility
 Arlington, Washington

LEGEND

- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15
104.72
- 106 Groundwater Elevation Contour (ft.)
- Extraction Well Identification
- Clean Out Vault Identification

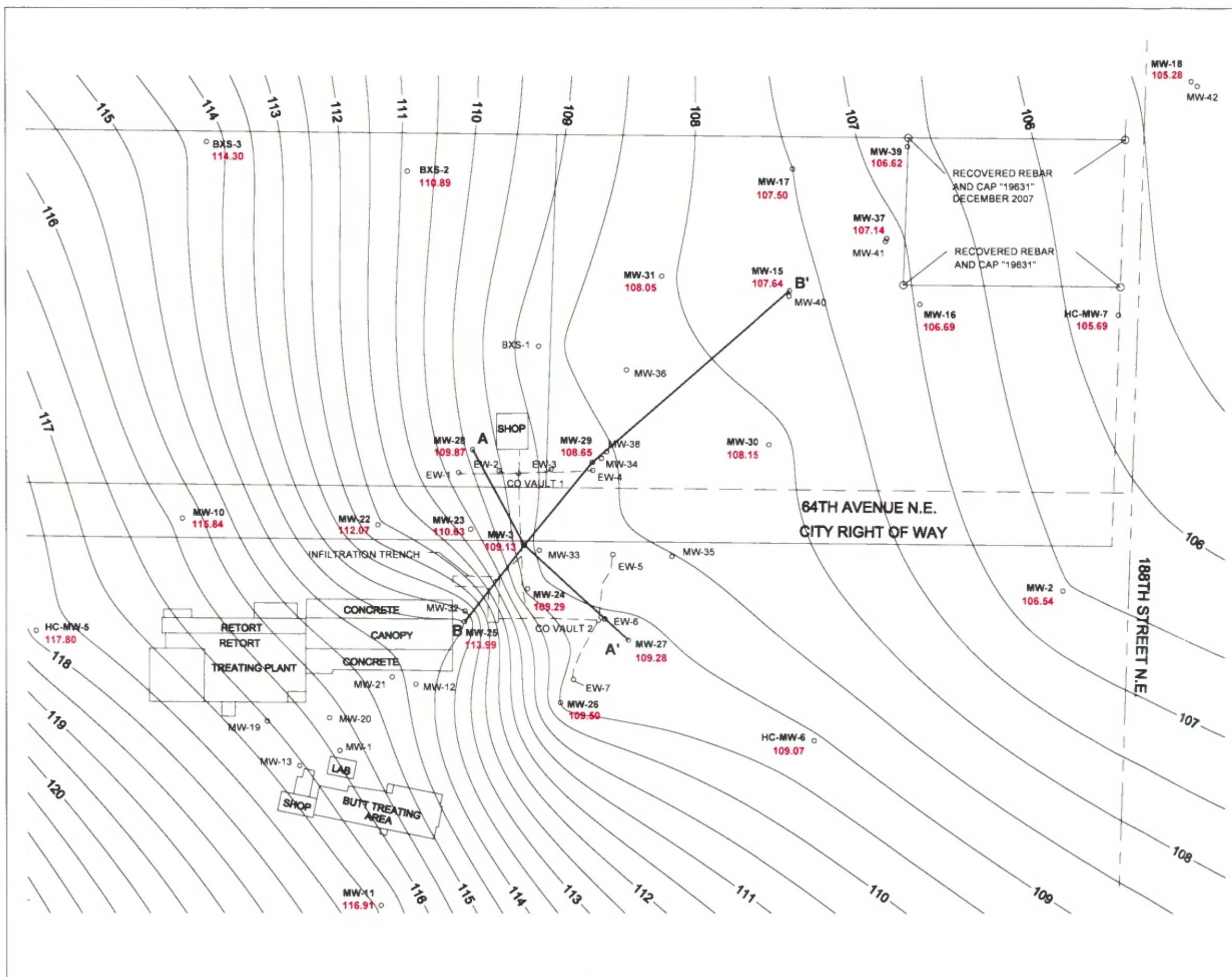
NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.
6. For well pairs and well triplets, groundwater elevation from the well with the highest screen elevation was used for contouring.
7. The groundwater elevation indicated for MW-15 was raised by 1 foot from the value recorded in the field due to a suspected error in field recording.



MAP NOTES:

Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



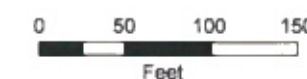
APPENDIX C-36
FEBRUARY 12, 2012
Groundwater Elevation Contour Map
Baseline Elevations
 Former J.H. Baxter Wood Treating Facility
 Arlington, Washington

LEGEND

- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15 104.72
- 106 Groundwater Elevation Contour (ft.)
- EW-1 Extraction Well Identification
- CO VAULT 1 Clean Out Vault Identification

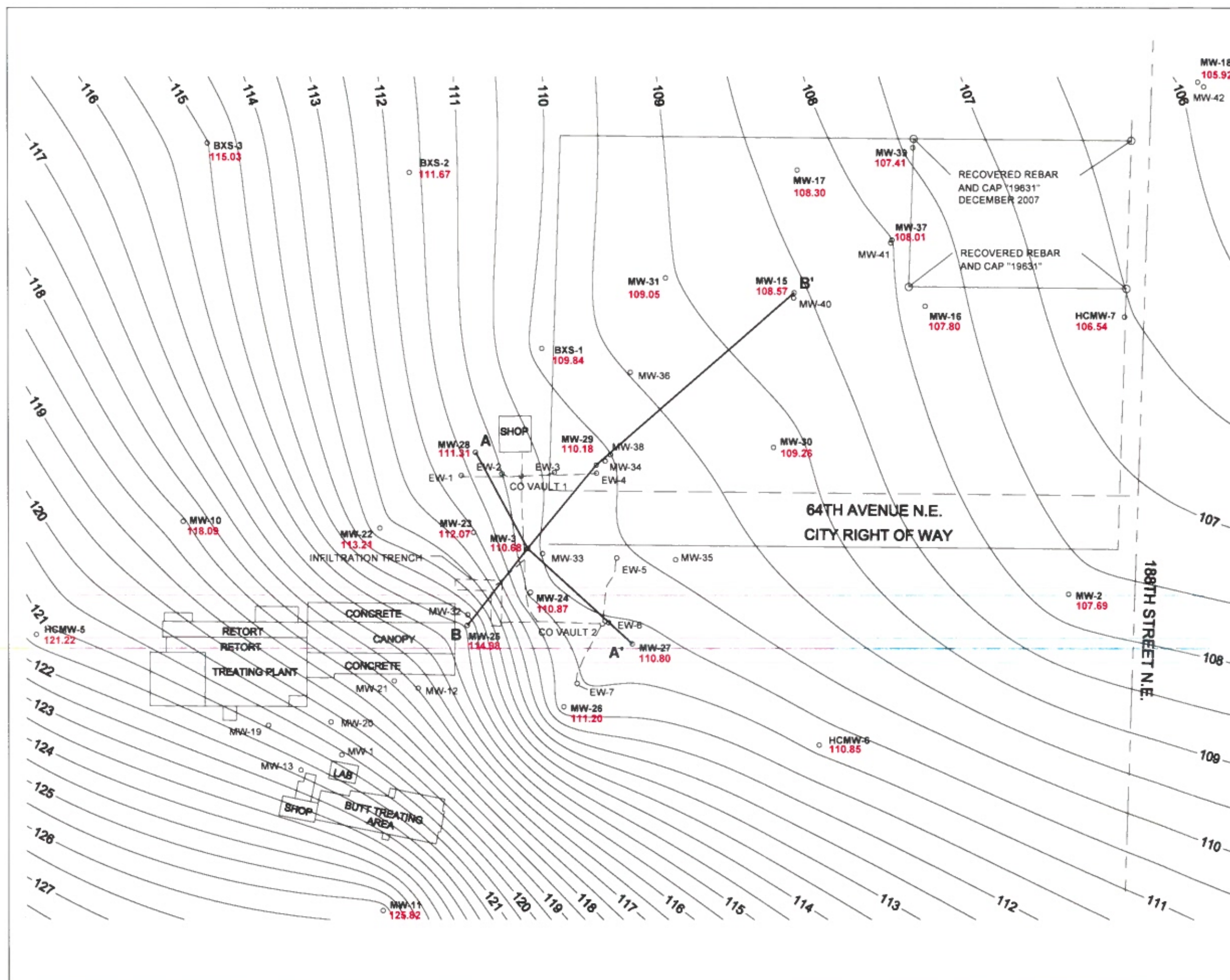
NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.
6. For well pairs and well triplets, groundwater elevation from the well with the highest screen elevation was used for contouring.



MAP NOTES:

Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-37

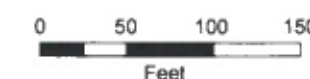
APRIL 29, 2012
Groundwater Elevation Contour Map
Baseline Elevations
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15
104.72
- 108 Groundwater Elevation Contour (ft.)
- EW-1 Extraction Well Identification
- CO VAULT 1 Clean Out Vault Identification

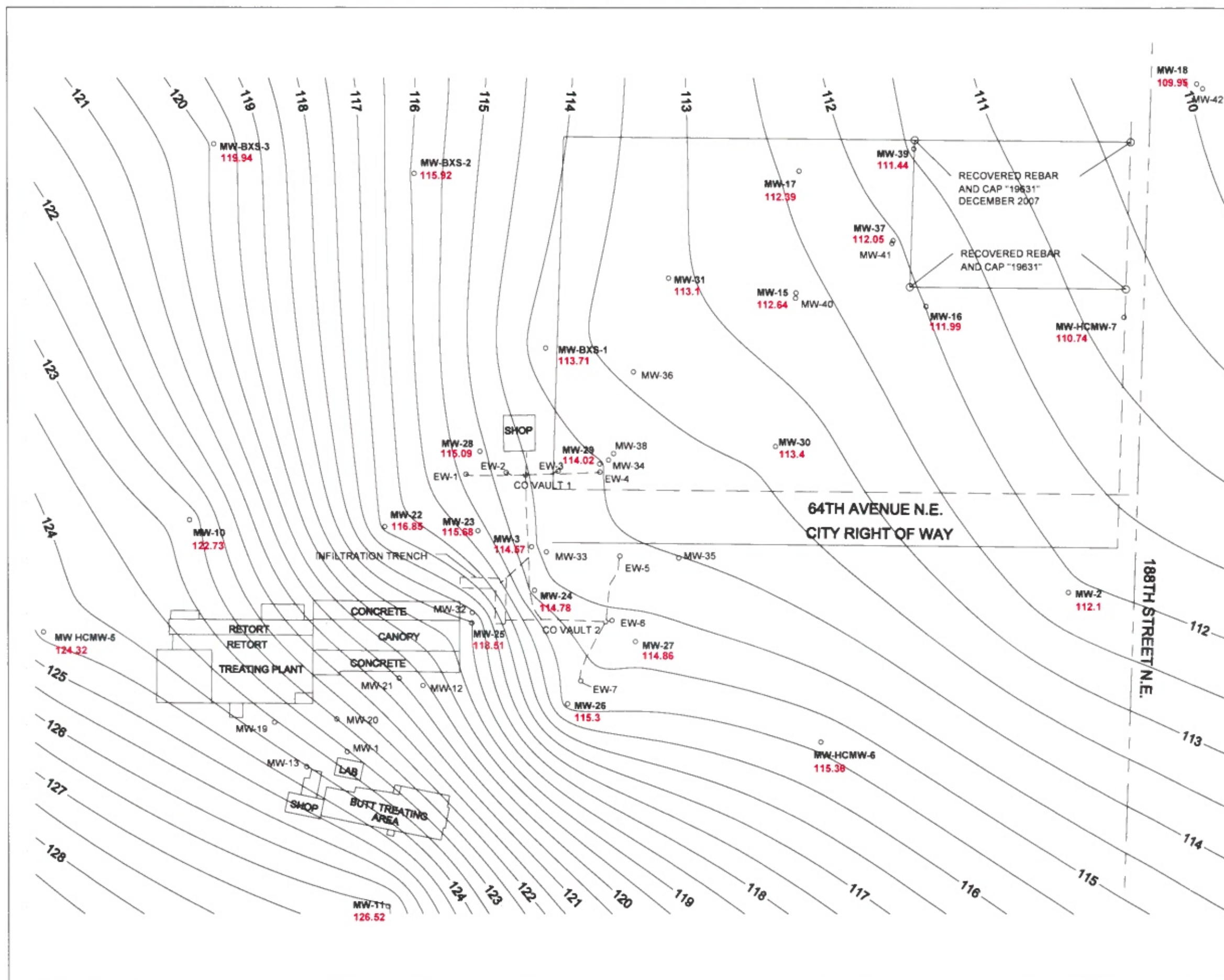
NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.
6. For well pairs and well triplets, groundwater elevation from the well with the highest screen elevation was used for contouring.



MAP NOTES:

Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



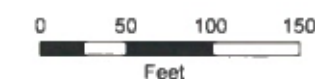
APPENDIX C-38
AUGUST 19, 2012
Groundwater Elevation Contour Map
Baseline Elevations
 Former J.H. Baxter Wood Treating Facility
 Arlington, Washington

LEGEND

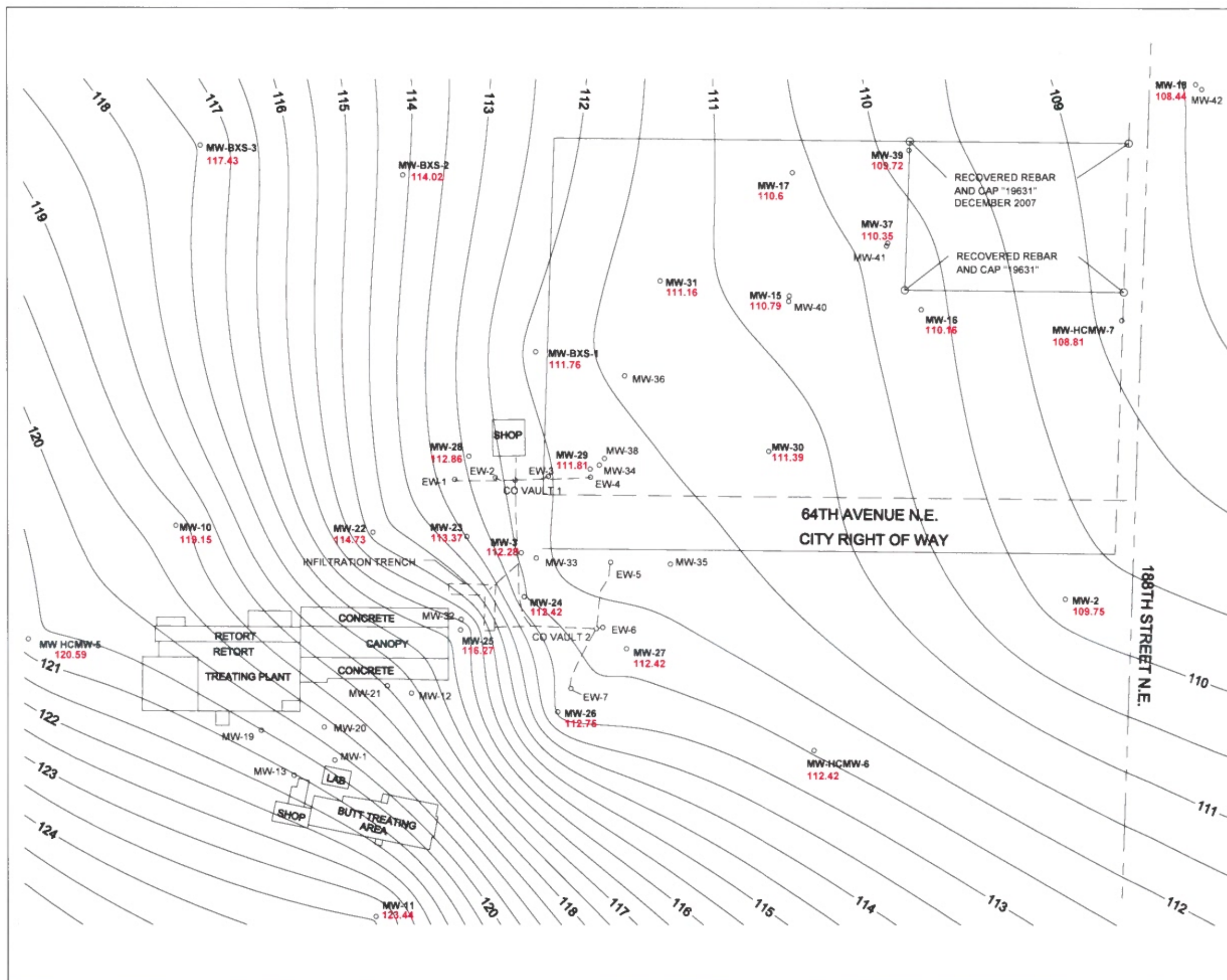
- Monitoring Well Identification and Groundwater Elevation (ft.)
 MW-15
 104.72
- 108 — Groundwater Elevation Contour (ft.)
- EW-1 Extraction Well Identification
- CO VAULT 1 Clean Out Vault Identification

NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.
6. For well pairs and well triplets, groundwater elevation from the well with the highest screen elevation was used for contouring.



MAP NOTES:
 Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014

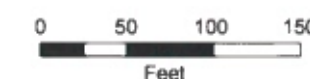
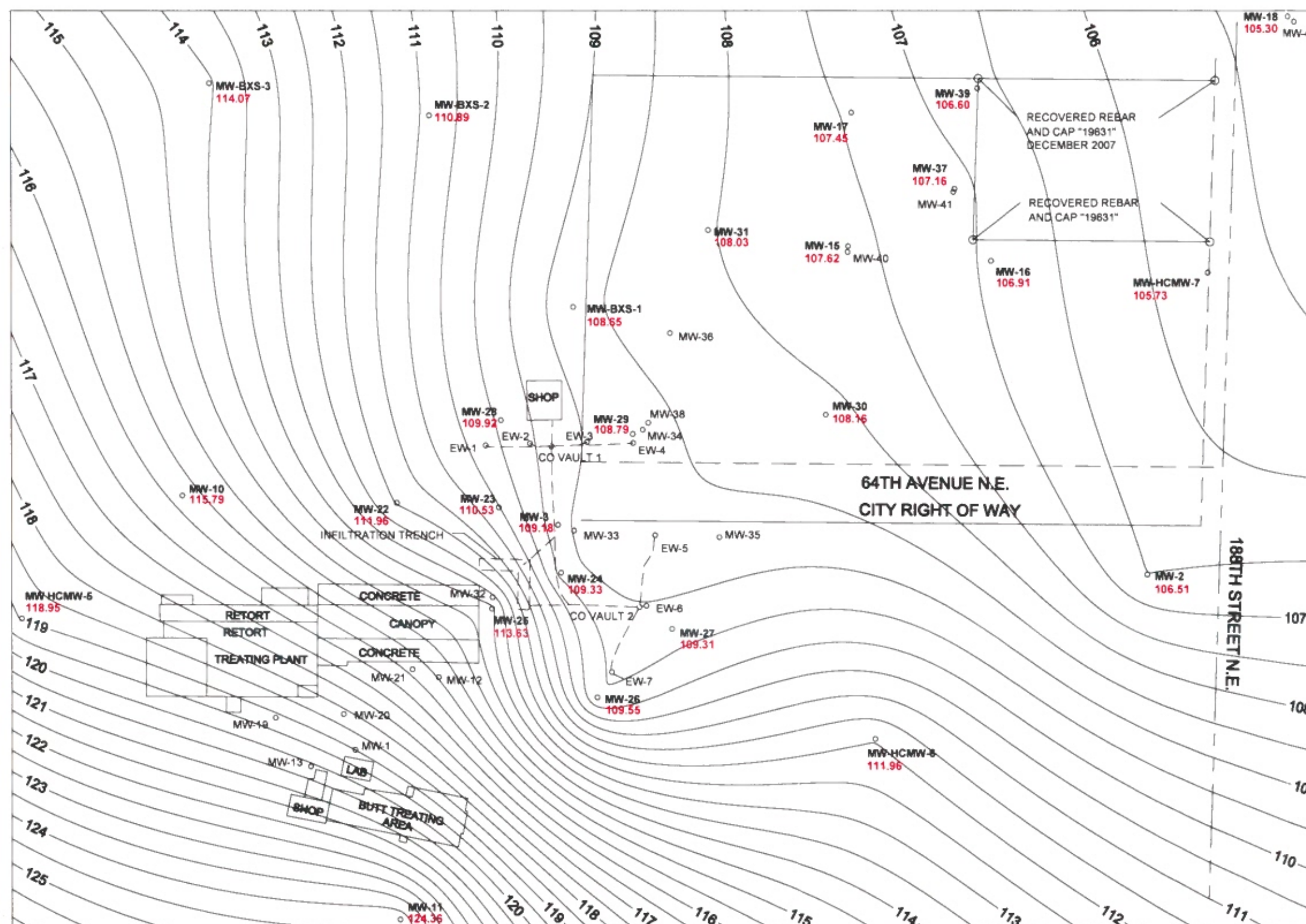


Groundwater Elevation Contour Map
Baseline Elevations
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

| | |
|-------|------------------------------------|
| ○ | Monitoring Well Identification and |
| MW-15 | Groundwater Elevation (ft.) |

CO VAULT 1 Clean Out Vault Identification

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.
6. For well pairs and well triplets, groundwater elevation from the well with the highest screen elevation was used for contouring.



MAP NOTES:
Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



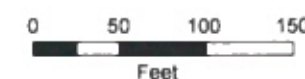
APPENDIX C-40
FEBRUARY 10, 2013
Groundwater Elevation Contour Map
Baseline Elevations
 Former J.H. Baxter Wood Treating Facility
 Arlington, Washington

LEGEND

- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15
104.72
- 106 Groundwater Elevation Contour (ft.)
- EW-1 Extraction Well Identification
- CO VAULT 1 Clean Out Vault Identification

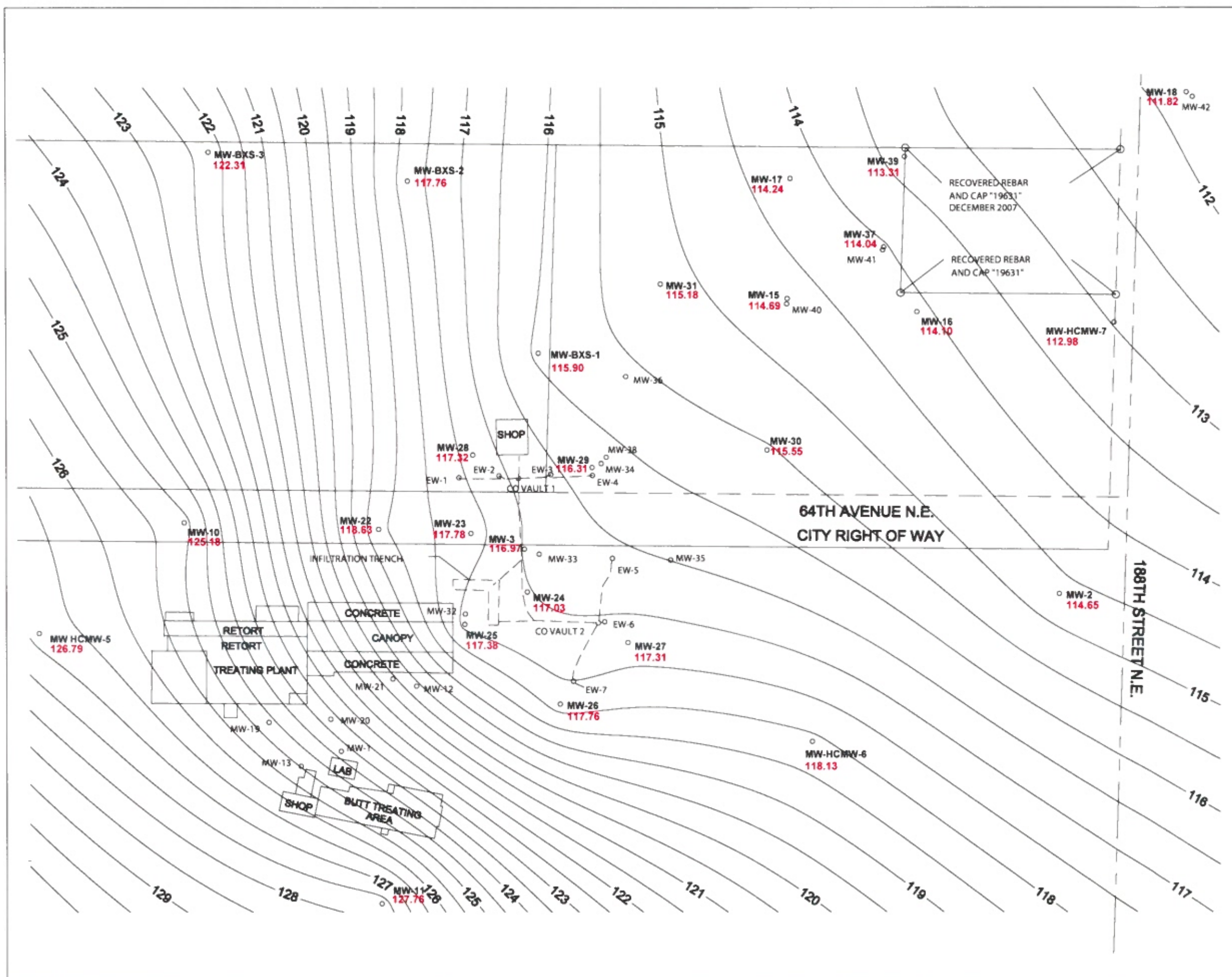
NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.
6. For well pairs and well triplets, groundwater elevation from the well with the highest screen elevation was used for contouring.



MAP NOTES:

Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-41

JUNE 2, 2013

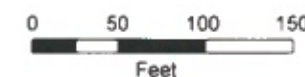
Groundwater Elevation Contour Map Baseline Elevations Former J.H. Baxter Wood Treating Facility Arlington, Washington

LEGEND

- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15
104.72
- 106 — Groundwater Elevation Contour (ft.)
- Extraction Well Identification
- Clean Out Vault Identification
- CO VAULT 1

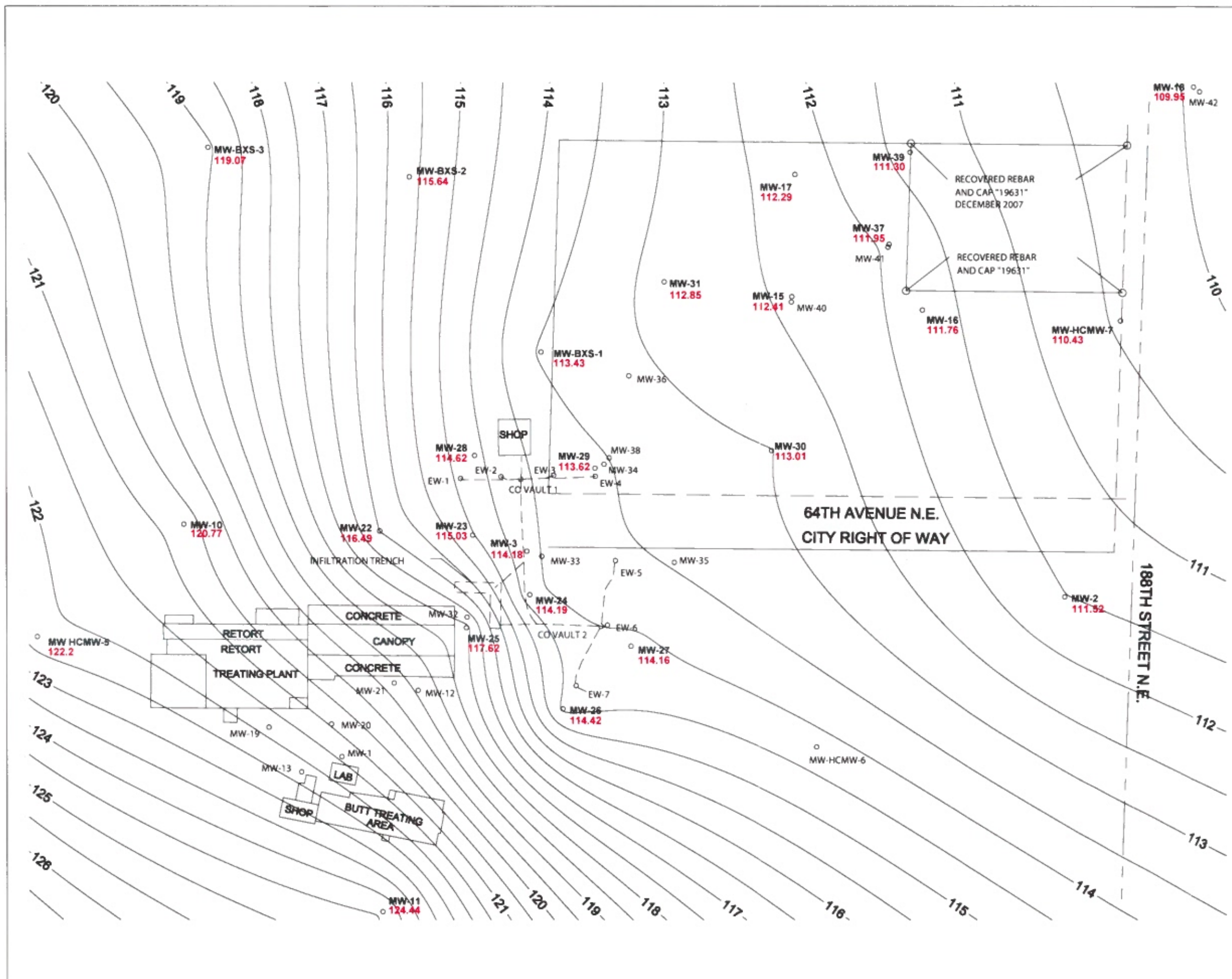
NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.
6. For well pairs and well triplets, groundwater elevation from the well with the highest screen elevation was used for contouring.



MAP NOTES:

Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-42

AUGUST 25, 2013

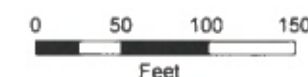
Groundwater Elevation Contour Map Baseline Elevations Former J.H. Baxter Wood Treating Facility Arlington, Washington

LEGEND

- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15
104.72
- 106 Groundwater Elevation Contour (ft.)
- Extraction Well Identification
- Clean Out Vault Identification
- CO VAULT 1

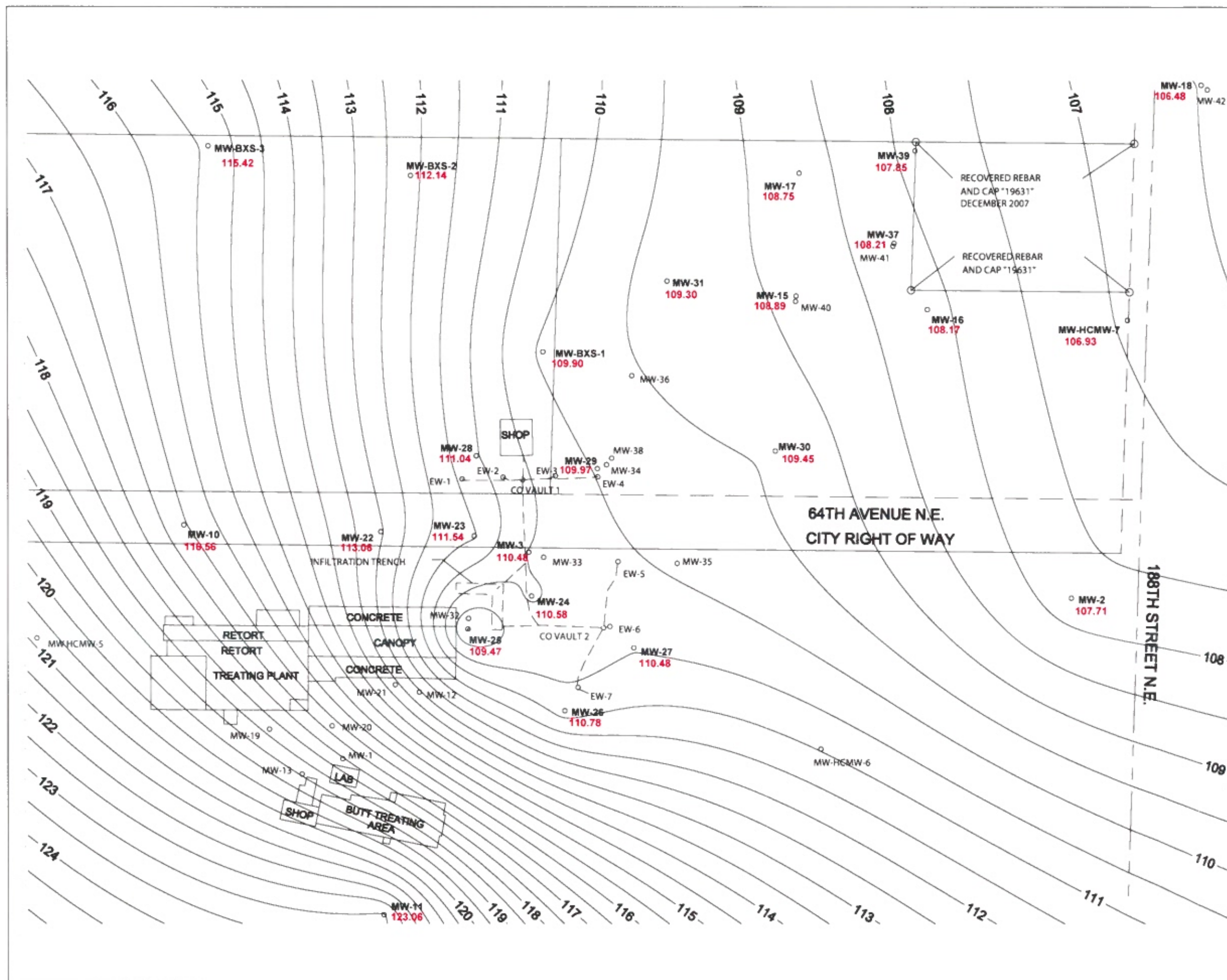
NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.
6. For well pairs and well triplets, groundwater elevation from the well with the highest screen elevation was used for contouring.



MAP NOTES:

Data Sources: Geomatrix, Appendix C: Stand-Alone Data Document (2014), December 2014



APPENDIX C-43

DECEMBER 2, 2013

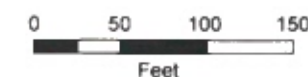
Groundwater Elevation Contour Map Baseline Elevations Former J.H. Baxter Wood Treating Facility Arlington, Washington

LEGEND

- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15
104.72
- 106 Groundwater Elevation Contour (ft.)
- Extraction Well Identification
- Clean Out Vault Identification
- CO VAULT 1

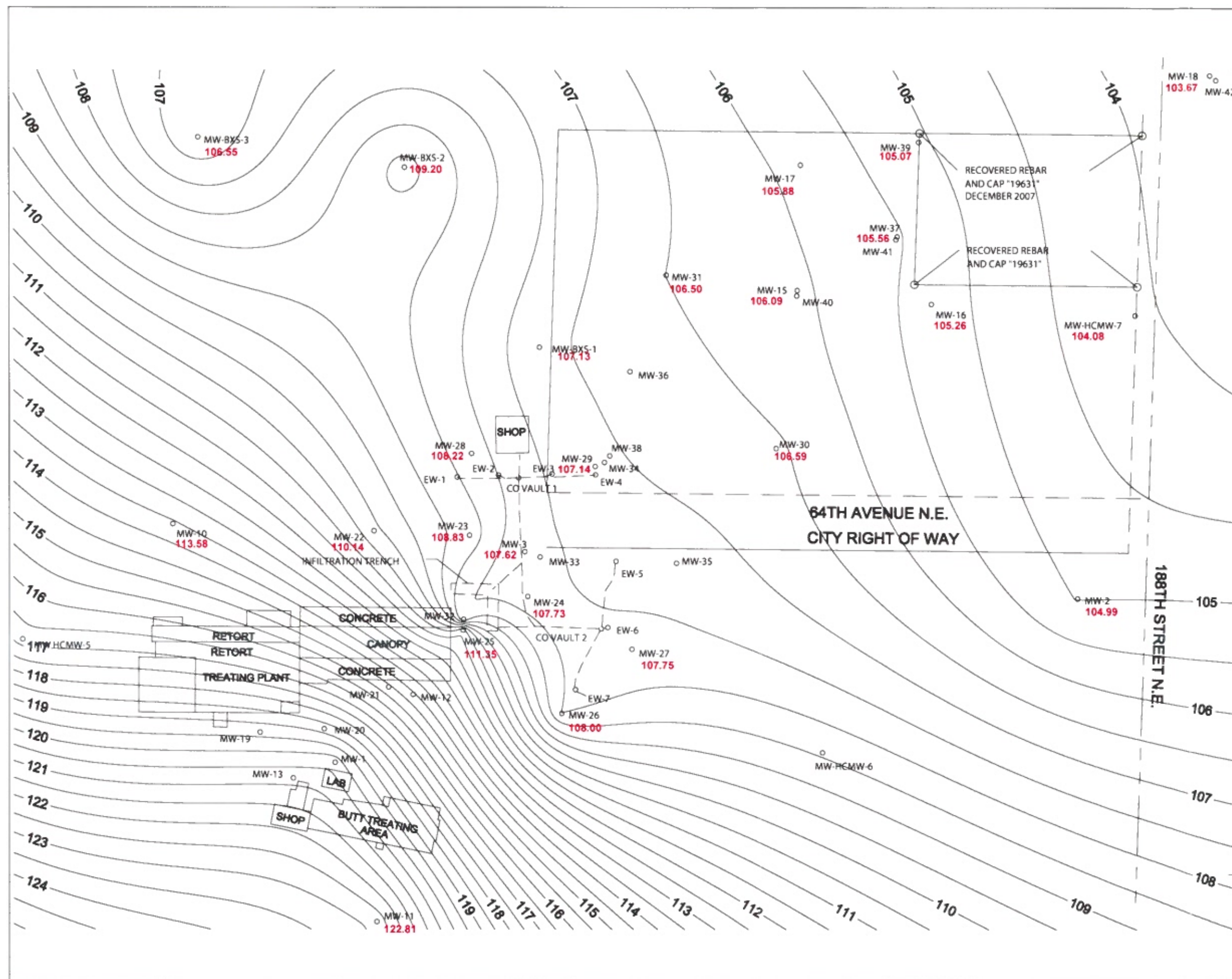
NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.
6. For well pairs and well triplets, groundwater elevation from the well with the highest screen elevation was used for contouring.



MAP NOTES:

Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-44

MARCH 2014

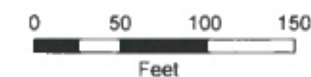
Groundwater Elevation Contour Map Baseline Elevations Former J.H. Baxter Wood Treating Facility Arlington, Washington

LEGEND

- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15
104.72
- 106 Groundwater Elevation Contour (ft.)
- Extraction Well Identification
- Clean Out Vault Identification
- CO VAULT 1

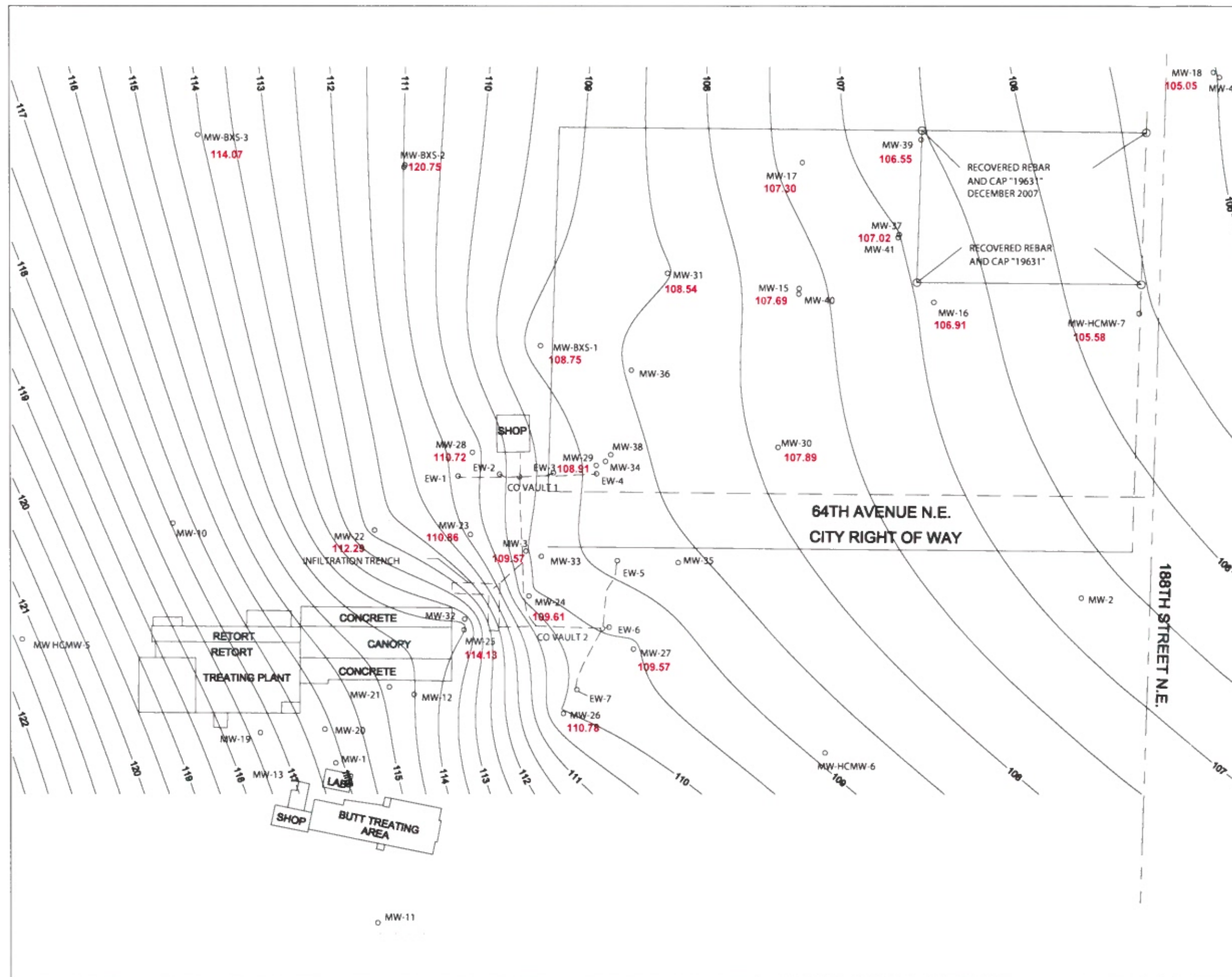
NOTES:

- All elevations exist in NAVD88.
- Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
- Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
- Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
- Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.
- For well pairs and well triplets, groundwater elevation from the well with the highest screen elevation was used for contouring.
- Monitoring wells MW-4, MW-10, MW-11, and MW-14 were not measured in the first quarter.
- Due to a suspected field error at MW-BXS-2, this measurement is excluded from the contour.



MAP NOTES:

Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-45

JUNE 2014

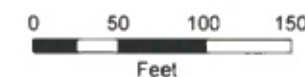
Groundwater Elevation Contour Map Baseline Elevations Former J.H. Baxter Wood Treating Facility Arlington, Washington

LEGEND

- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15
104.72
- 108 Groundwater Elevation Contour (ft.)
- Extraction Well Identification
- Clean Out Vault Identification

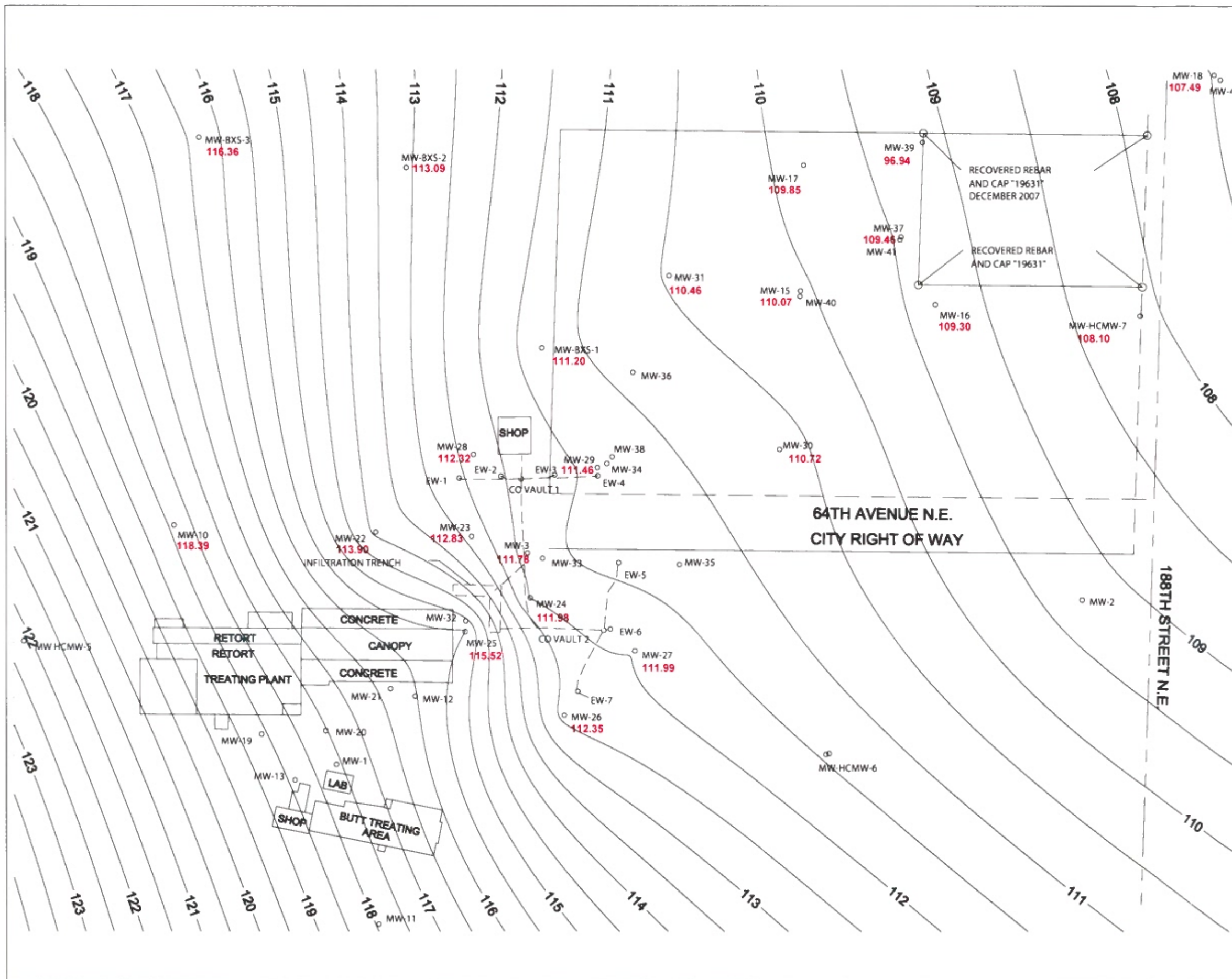
NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells BXS-4, MW-4, and MW-14 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.
6. For well pairs and well triplets, groundwater elevation from the well with the highest screen elevation was used for contouring.
7. Monitoring well MW-11 was not measured in the second quarter in 2014.
8. Due to a suspected field error at MW-39, this measurement is excluded from the contour.



MAP NOTES:

Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



APPENDIX C-46

SEPTEMBER 2014

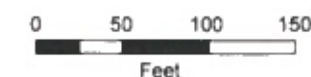
Groundwater Elevation Contour Map Baseline Elevations Former J.H. Baxter Wood Treating Facility Arlington, Washington

LEGEND

- Monitoring Well Identification and Groundwater Elevation (ft.)
- MW-15 104.72
- 106 Groundwater Elevation Contour (ft.)
- Extraction Well Identification
- EW-1
- Clean Out Vault Identification
- CO VAULT 1

NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation contours interpolated at 0.5 ft intervals using kriging geostatistical methodology.
3. Monitoring wells with no groundwater elevations indicated were not used in development of contour lines due to deeper screen intervals in those wells.
4. Wells MW-14 and MW-43 are located outside the area shown and were also used to generate contours.
5. Monitoring wells MW-12, MW-13, MW-19, MW-20, and MW-21 are used for LNAPL recovery.
6. For well pairs and well triplets, groundwater elevation from the well with the highest screen elevation was used for contouring.



MAP NOTES:

Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014

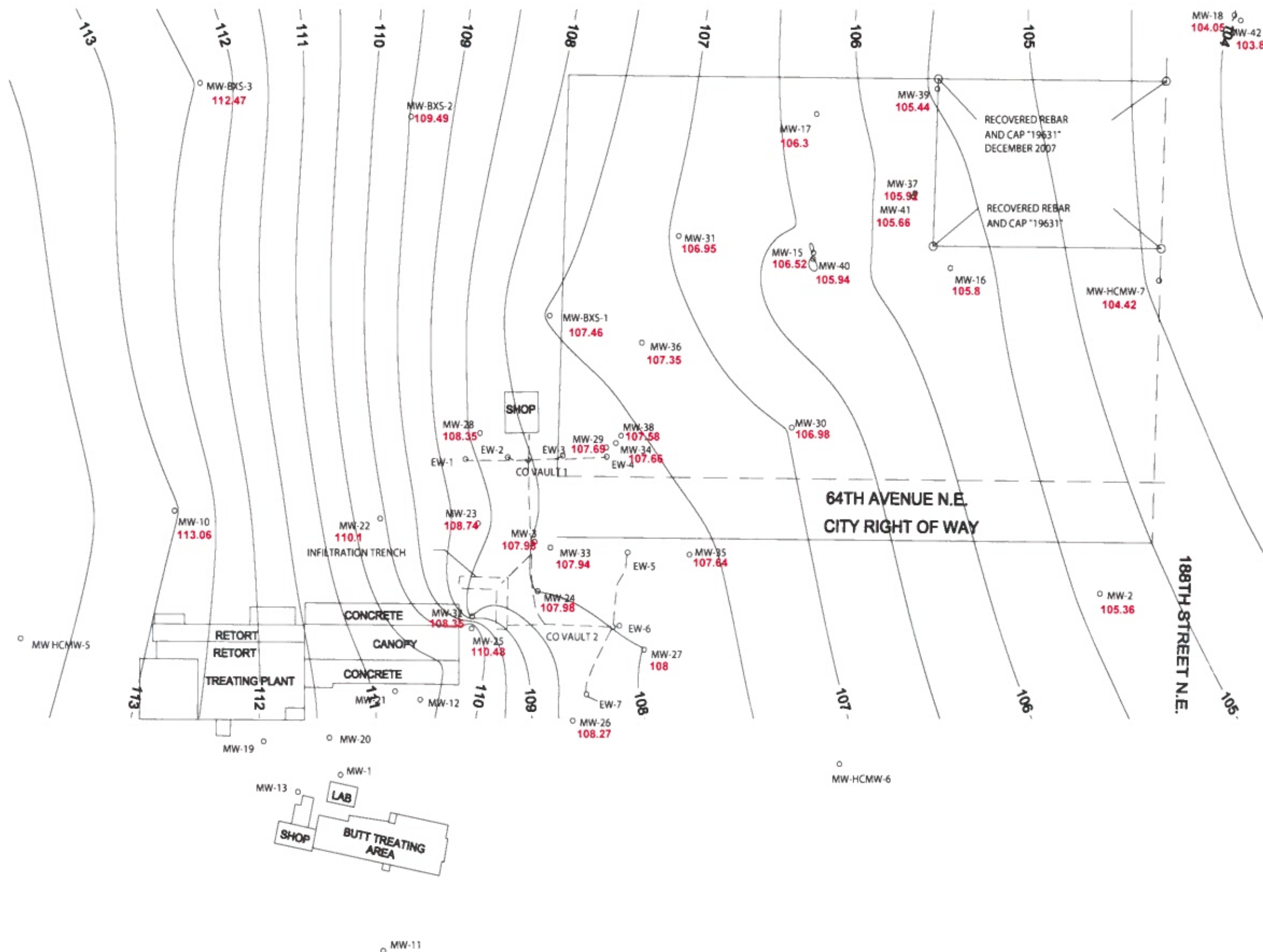









FIGURE C-47

**Groundwater Elevation Contour Map:
Fourth Quarter 2014**
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

-  Groundwater Elevation Contours
(dashed where inferred)
-  Shallow/Intermediate Monitoring Well
(November 2014 Groundwater Elevation)
-  Extraction Well
-  Infiltration Trench
-  Infiltration Gallery Piping

NOTES:

1. All elevations exist in NAVD88.
2. Groundwater elevation measured at MW-16 not included in contours.



MAP NOTES:

MAP NOTES:
 Date: December 11, 2015
 Data Sources: AMEC, ESRI, Air photo taken on
 July 9, 2010 by Microsoft





FIGURE C-48

**Groundwater Elevation Contour Map:
First Quarter 2015**

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- Groundwater Elevation Contours
(dashed where inferred)
- Shallow/Intermediate Monitoring Well
(February 2015 Groundwater Elevation)
- Extraction Well
- Infiltration Trench
- Infiltration Gallery Piping

NOTES:

1. All elevations exist in NAVD88.
2. Extraction wells are pumping while water level measurements are collected. Wells pumping at time measurements taken?



MAP NOTES:

Date: December 11, 2015
Data Sources: AMEC, ESRI, Air photo taken on
May 2, 2015 by Google Earth





FIGURE C-49
Groundwater Elevation Contour Map:
Third Quarter 2015
 Former J.H. Baxter Wood Treating Facility
 Arlington, Washington

LEGEND

- Groundwater Elevation Contours
(dashed where inferred)
- Shallow/Intermediate Monitoring Well
(September 2015 Groundwater Elevation)
- Extraction Well
- Infiltration Trench
- Infiltration Gallery Piping

NOTES:

1. All elevations exist in NAVD88.
2. Extraction wells are pumping while water level measurements are collected.
3. MW-32 not used in contour map.



MAP NOTES:

Date: December 11, 2015
 Data Sources: AMEC, ESRI, Air photo taken on
 May 2, 2015 by Google Earth





FIGURE C-50
Groundwater Elevation Contour Map:
Fourth Quarter 2015
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

- LEGEND**
- Groundwater Elevation Contours
(dashed where inferred)
 - Shallow/Intermediate Monitoring Well
(December 2015 Groundwater Elevation)
 - Extraction Well
 - Infiltration Trench
 - Infiltration Gallery Piping

- NOTES:**
1. All elevations exist in NAVD88.
 2. Extraction wells are pumping while water level measurements are collected.
 3. NM = not measured.
 4. MW-32 not used in contour maps.

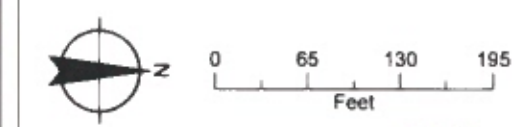




FIGURE C-51
Groundwater Elevation Contour Map:
First Quarter 2016
 Former J.H. Baxter Wood Treating Facility
 Arlington, Washington

- LEGEND**
- Groundwater Elevation Contours (dashed where inferred)
 - Shallow Monitoring Well (February 2016 Groundwater Elevation)
 - Intermediate Monitoring Well (February 2016 Groundwater Elevation)
 - Extraction Well
 - Infiltration Trench
 - Infiltration Gallery Piping

- NOTES:**
1. All elevations exist in NAVD88.
 2. Extraction wells are pumping while water level measurements are collected.
 3. NM = not measured.
 4. MW-30, MW-32, and MW-37 not used for contouring.

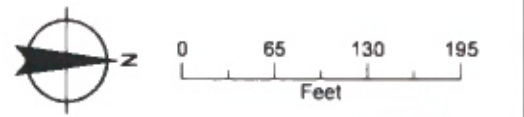




FIGURE C-52
Groundwater Elevation Contour Map:
Second Quarter 2016
 Former J.H. Baxter Wood Treating Facility
 Arlington, Washington

LEGEND

- Groundwater Elevation Contours (dashed where inferred)
- Shallow Monitoring Well (June 2016 Groundwater Elevation)
- Intermediate Monitoring Well (June 2016 Groundwater Elevation, not used for contouring)
- Extraction Well
- Infiltration Trench
- Infiltration Gallery Piping

NOTES:

1. All elevations exist in NAVD88.
2. Extraction wells are pumping while water level measurements are collected.
3. NM = not measured.
4. MW-37 suspect measurement.
5. Intermediate Monitoring Wells not used for contouring.



0 65 130 195
 Feet



Date: December 15, 2016
 Data Sources: AMEC, ESRI, Air photo taken on
 May 2, 2015 by Google Earth



FIGURE C-53
Groundwater Elevation Contour Map:
Third Quarter 2016
 Former J.H. Baxter Wood Treating Facility
 Arlington, Washington

LEGEND

- Groundwater Elevation Contours
(dashed where inferred)
- Shallow Monitoring Well (September 2016
Groundwater Elevation)
- Intermediate Monitoring Well (September
2016 Groundwater Elevation)
- Extraction Well
- Infiltration Trench
- Infiltration Gallery Piping

NOTES:

1. All elevations exist in NAVD88.
2. Extraction wells are pumping while water level
measurements are collected.
3. Intermediate wells not used for contouring.
4. NM = not measured.

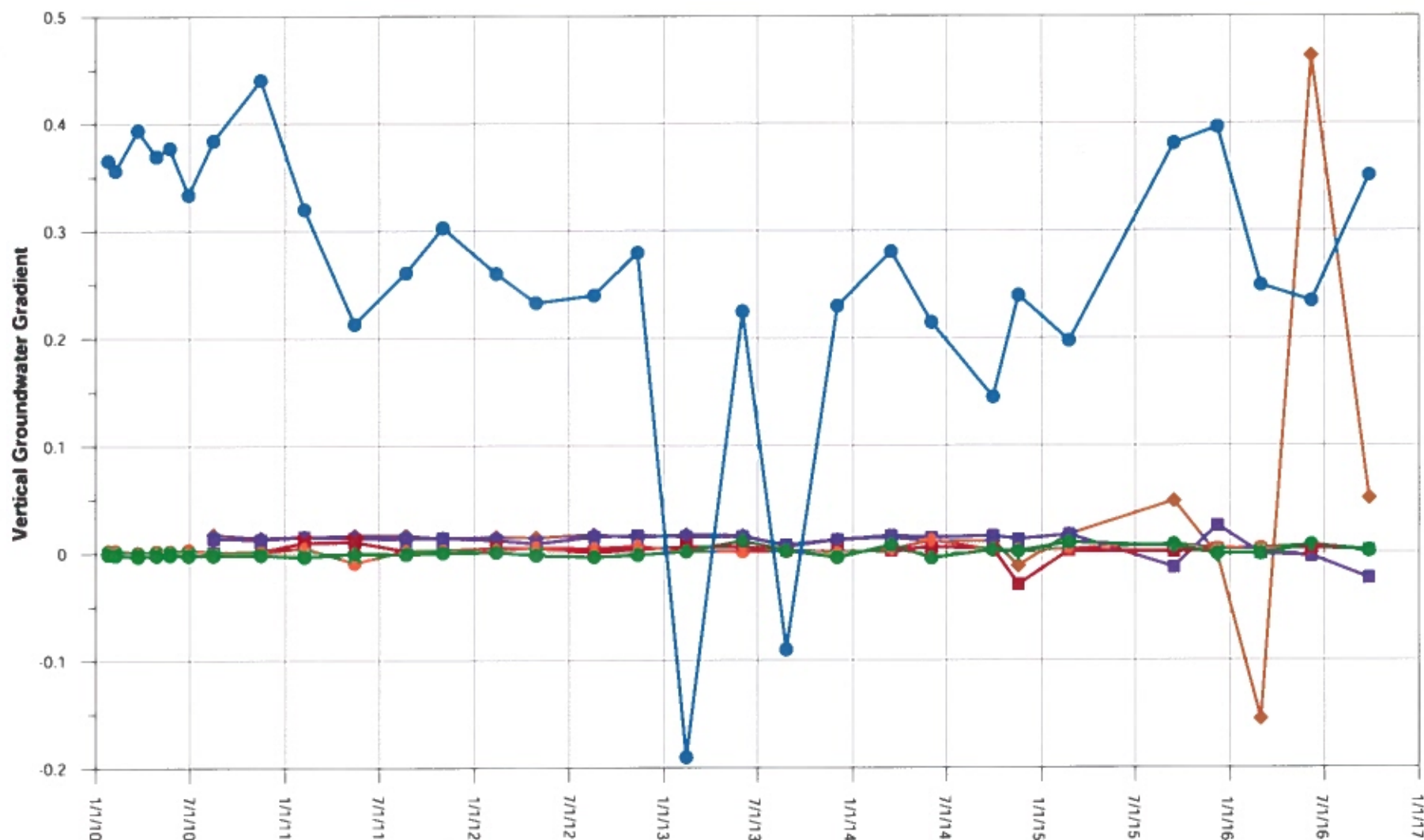


Date: December 15, 2016
 Data Sources: AMEC, ESRI, Air photo taken on
 May 2, 2015 by Google Earth



Appendix D

Groundwater Gradient Trends



Legend:

- MW-25/MW-32, Shallow to Intermediate Zone
- MW-3/MW-33, Shallow to Intermediate Zone
- MW-29/MW-34, Shallow to Intermediate Zone
- MW-29/MW-38, Shallow to Deep Zone
- MW-15/MW-40, Shallow to Deep Zone
- ◆ MW-37/MW-41, Intermediate to Deep Zone

Notes:

Vertical groundwater gradients are dimensionless. Positive values indicate a downward flow direction, while negative values indicate an upward flow direction. In the vicinity of MW-25 and MW-32, a silt layer is approximately 20' below ground surface, and could account for larger vertical gradient. 1Q 2013 and 3Q 2013, the MW-25/MW-32 vertical gradient shifted from a downward gradient to upward gradient. The associated O&M reports cited numerous high level alarm errors during the 1Q 2013 period that shut the extraction system down, and possible human error as reasons for the change. Suspect measurement at MW-37 in 2Q 2016.

FIGURE D-1
Vertical Groundwater Gradient Trends
 Former J.H. Baxter Wood Treating Facility
 Arlington, Washington